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PREFACE.

THIS, the fifth volume of the Catalogue of the Collection of Books, Maps, &c., in the Natural History branch of the British Museum, brings the series of entries under the authors' names down to the end of the alphabet. The first sheet of the volume was passed for press in June 1913.

The lines on which it has been prepared have been fully set forth in the "Introduction" to the first volume.

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L. FLETCHER,
Director.

BRITISH MUSEUM (NATURAL HISTORY),
June 26th, 1915.

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SOALHEIRA.—Collegio de S. Fiel.

Broteria : revista de ciencias naturaes do Collegio, &c.
Vol. I→ 1902→ *illust.* 8°. Lisboa, 1902→

SOAREZ D'ALBERGARIA (LOPEZ) Kurze Nachricht von der Portugiesen Thaten in Indien... 1516-21, unter... L. Soarez. See ARKSTEE () & MERKUS () Allgemeine Historie der Reisen, &c. Bd. I. 4°. 1747.

SOBOLEV (DIMITRIÏ NIKOLAEVICH)

Osnovnuiya chertui, stratigraphii i tektoniki Siluriiskikh otlozhenii Kyeletzko-Sandomirskagho kryazha. [On the principal features, stratigraphy and tectony of the Silurian strata of the Kyeletz-Sandomirsk ridge.] pp. 36 : 2 pls. col.

Fauna drevnyeishikh srednedevoevskikh otlozhenii tsarstva Pol'skagho. [Fauna of the middle Devonian strata of Poland.] pp. 7 : 1 pl.

See WARSAW. — OBSHCHESTVO ESTESTVOISPUITATELEI, &c. Protokolui... otdyelenie Biologhii. Ghod. XI. 8°. 1901.

SOBOLEWSKJ (GREGORIUS) Flora Petropolitana.

Sistens Plantas in gubernio Petropolitano sponte crescentes, tam eas quæ olim in Flora Ingrica Krascheninnikovii a Gortero enumeratæ sunt quam novas post... 1764... detectas... cum additione variarum observationum, atque Russica Plantarum denominatione, &c. pp. vii, 354. 8°. Petropoli, 1799.

SOBOTTA (JOHANNES) Beobachtungen über den

Gastrulationsvorgang beim *Amphioxus*. pp. 21 : 1 pl., text *illust.* See WURZBURG. — PHYSIKALISCH-MEDICINISCHE GESELLSCHAFT. Verhandlungen, &c. Neue Folge, Bd. XXXI, no. 2. 8°. 1897.

Sobotta (J.) Die morphologische Bedeutung der Kupferschen Blase. Ein Beitrag zur Gastrulation der Teleostier. pp. 17 : 1 pl., text *illust.* See WURZBURG. — PHYSIKALISCH-MEDICINISCHE GESELLSCHAFT. Verhandlungen, &c. Neue Folge, Bd. XXXII, no. 3. 8°. 1898.

Sobotta (J.) Ueber die Richtungsteilungen des Säugetiereies, speziell über die Frage der Zahl der Richtungskörper. pp. 21. See WURZBURG. — PHYSIKALISCH-MEDICINISCHE GESELLSCHAFT. Verhandlungen, &c. Neue Folge, Bd. XXXIX, no. 5. 8°. 1908.

SOBRERO (ASCANTIO) [1812-1888] Proposta di un nuovo metodo d'osservazione delle Stelle Cadenti. pp. 7. 8°. [Turin, &c.,] (1865.)

Reprinted from the "Gazzetta Ufficiale del Regno d'Italia." No. 17.

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SOCIETATUM LITTERÆ. Verzeichniss der in
den Publikationen und Vereine aller Länder erschein-
enden Einzelarbeiten auf dem Gebiete der Naturwissen-
schaften . . . Herausgegeben von . . . E. Huth ([and
afterwards] A. Hering, M. Klittke). Jahrb. i-xiv.†
8°. Berlin, 1888-1900.

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[Founded 1782.]

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[Founded 1903.]

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[1888 Founded.
1890 Amalgamated with the *Metropolitan Scientific Association* to form the *London Amateur Scientific Society* (q.v.)]

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[Incorporated 1617.]

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— Supplementary issue, &c. (Supplementary Mining records . . . by the Government Geologist . . . and other Departmental reports. Compiled and edited by L. C. E. Gee.) pp. iv, 100. 8^o. Adelaide, 1905.

— Fourth edition, &c. pp. [ii,] 382, 1 tab.: 1 map (col.) 8^o. Adelaide, 1908.

South Australia.—GEOLOGICAL SURVEY.
Report on the Uooloo Goldfield. By H. Y. L. Brown. pp. 2: 1 map geol. col. 4^o. Adelaide, 1887.

South Australia.—GEOLOGICAL SURVEY.
Geological Map of the Tertiary deposits of the hundred of Barossa, with explanatory notes, by H. Y. L. Brown. pp. 4: 1 map geol. col. 4^o. Adelaide, 1889.

South Australia.—GEOLOGICAL SURVEY.
Report on a journey from Adelaide to Hale River, by H. Y. L. Brown. pp. 7: 1 pl., 1 map. 4^o. Adelaide, 1889.

South Australia.—GEOLOGICAL SURVEY.
Report of Geological examination of country in the neighborhood of Alice Springs, by H. Y. L. Brown. pp. 8: 1 map (col.) 4^o. Adelaide, 1890.

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Report on journey from Warrina to Musgrave Ranges. By H. Y. L. Brown. pp. 6: 1 pl., 1 map. 4^o. Adelaide, 1890.

South Australia.—GEOLOGICAL SURVEY.
Reports on Coal-bearing area in neighborhood of Leigh's Creek, by . . . H. Y. L. Brown, Government Geologist. pp. 14: 4 pls. (col.), 1 map geol. col. 4^o. Adelaide, 1891.

Contains also:—

1. Description of some South Australian Silurian and Mesozoic Fossils, by R. Etheridge, Junr.
2. On the occurrence of an *Orthis* allied to *O. Actonia*, J. De C. Sby., and *O. abelutulum*, J. De C. Sby., in the Lower Silurian Rocks of Central Australia. By R. Etheridge, Junr.

These are reckoned as No. 1 & 2 of "Official Contributions to the Palaeontology of South Australia."

South Australia.—GEOLOGICAL SURVEY.
Further Geological examination of Leigh's Creek and Hergott districts; also, Report upon a shale deposit in the Encounter Bay district, by the Government Geologist [H. Y. L. Brown], &c. pp. 14: 2 pls., 1 map geol. col. 4^o. Adelaide, 1892.

Contains also the following:—

1. On the occurrence of the genus *Phyllopteris* (Brong.), Saporta, (? *Angiopteridium*, Schimper) in the Mesozoic beds of Central Australia. By R. Etheridge, Junr.
2. On a species of *Amphus* from the Lower Silurian Rocks of Central Australia. By R. Etheridge, Junr.

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South Australia.—GEOLOGICAL SURVEY.

Report on country in the neighborhood of Lake Eyre, by . . . H. Y. L. Brown. pp. 5: 2 pls., 1 map.
4^o. Adelaide, 1892.

South Australia.—GEOLOGICAL SURVEY.

Catalogue of South Australian Minerals, with the mines and other localities where found; and brief remarks on the mode of occurrence of some of the principal Metals and Ores. By H. Y. L. Brown, &c. pp. 34.
8^o. Adelaide, 1893.

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Official Contributions to the Palæontology of South Australia. No. 5. Additional Silurian and Mesozoic Fossils from Central Australia. By R. Etheridge. pp. 8: 1 pl.
4^o. Adelaide, 1893.

"The above is published as a Supplement to Mr. Etheridge's previous Official Papers on South Australian Lower Silurian and Mesozoic Fossils, which have been published with the Reports of this Department on the Leigh Creek and Herport districts."
For "Official Contributions," &c., No. 6 & 7, See *supra*, Annual Report of the Government Geologist for the year ended 30th June, 1894.

South Australia.—GEOLOGICAL SURVEY.

Reports on Arltunga Gold Field and Hart's Range Mica Field; and Explorations north-east of Hart's Range, north-west of Alice Springs, and of the Frew River Country . . . By H. Y. L. Brown, Government Geologist, &c. pp. 16: 2 pls. (1 col.), 4 maps geol. col.
4^o. Adelaide, 1897.

Contains also:—

Official Contributions to the Palæontology of South Australia. By R. Etheridge.
No. 9. On the occurrence of *Olenellus* in the Northern Territory.
" 10. The Permo-Carboniferous Fossils of Treachery Bay, Victoria River.

South Australia.—GEOLOGICAL SURVEY.

Record of the Mines of South Australia: The Balhannah Mine, &c. pp. 12: 3 plans (geol. col.)
8^o. Adelaide, 1898.

South Australia.—GEOLOGICAL SURVEY.

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8^o. Adelaide, 1898.

South Australia.—GEOLOGICAL SURVEY.

Record of the Mines of South Australia: The Wadnaminga Goldfield . . . by H. Y. L. Brown. pp. 12: 9 pls., 3 maps geol. col.
8^o. Adelaide, 1898.

South Australia.—GEOLOGICAL SURVEY.

Report on explorations in western part of South Australia, by H. Y. L. Brown, Government Geologist, &c. pp. 7: 2 pls. (1 col.), 1 map geol. col. 4^o. Adelaide, 1898.

Contains also:—

Official Contributions to the Palæontology of South Australia. By R. Etheridge, Junr. No. 11. Plant Remains from the South Australian and Queensland border, approximate lat. 25° 55' S., long. 139° 25' E.

South Australia.—GEOLOGICAL SURVEY.

Record of the Mines of South Australia: Report on the Gold discovery at Tarcoola, the Enterprise Mine, the Earea Dam Tin find and the Mount Gunson Copper Mine . . . by H. Y. L. Brown. pp. 7: 1 plan.
8^o. Adelaide, 1900.

South Australia.—GEOLOGICAL SURVEY.

Record of the Mines of South Australia: Report on Geological exploration of the Tarcoola District . . . by H. Y. L. Brown. pp. 7: 1 map geol. col.
8^o. Adelaide, 1901.

South Australia.—GEOLOGICAL SURVEY.

[Official] Contributions (No. 12 and 13) to the Palæontology of South Australia. By R. Etheridge, Junr. pp. 4: 2 pls. 4^o. Adelaide, 1902.

No. 12. More complete evidence of *Thinnefeldia odontopteroides*, Morris, in the Leigh Creek Coal Measures.
" 13. Evidence of further Cambrian Trilobites.

South Australia.—GEOLOGICAL SURVEY.

Record of the Mines of South Australia: Tarcoola and the north-western district . . . By H. Y. L. Brown. pp. 29: 1 map geol. col., 1 plan. 8^o. Adelaide, 1902.

South Australia.—GEOLOGICAL SURVEY.

Report on the White Range Gold Mines, Arltunga Goldfield. pp. 8: 1 map col. 4^o. Adelaide, 1902.

South Australia.—GEOLOGICAL SURVEY.

Report on the Gold discoveries near Winnecke's Dépôt and Mines on the Arltunga Goldfields, Macdonnell Ranges . . . By . . . H. Y. L. Brown. pp. 8: 1 map. 4^o. Adelaide, 1903.

South Australia.—GEOLOGICAL SURVEY.

A short review of Mining operations in the State of South Australia during . . . 1903, &c. pp. 12.
8^o. Adelaide, 1904.

South Australia.—GEOLOGICAL SURVEY.

Report on Geological explorations in the west and north-west of South Australia. Prepared . . . by H. Y. L. Brown . . . Government Geologist, &c. pp. 17: 3 pls., 1 map geol. col. 4^o. Adelaide, 1905.

Contains also:—

[Official] Contributions to the Palæontology of South Australia. By R. Etheridge, Junr. No. 14. Cretaceous Fossils from Dalhousie Springs.

South Australia.—GEOLOGICAL SURVEY.

Official Contributions (No. 17 to 22) to the Palæontology of South Australia, by R. Etheridge, Junr., and Record of Northern Territory Boring operations, [by] H. Y. L. Brown, Government Geologist, &c. pp. 21: 12 pls. 4^o. Adelaide, 1907.

No. 17. Permo-Carboniferous Fossils of Cape Dombey, Hyland Bay, and Cape Ford, Anson Bay.

" 18. Carboniferous Fossils from Fossil Hill, Treachery Bay, Victoria River Estuary.

" 19. Fossils of the Port Keats Bore, &c.

" 20. The Cretaceous Fossils of Point Charles, Port Darwin.

" 21. The Cretaceous Fossils of Shoal Bay, &c.

" 22. The Cretaceous Fossils of Maclear Creek, Cape Gambier, Melville Island.

South Australia.—GEOLOGICAL SURVEY.

Report on the Geology of the country south and east of the Murray River, &c. pp. 7: 1 pl. col., 1 map geol. col. 4^o. Adelaide, 1910.

SOUTH AUSTRALIA.—GEOLOGICAL SURVEY.

[Maps.]

Geological sketch Map of South Australia, exclusive of the Northern Territory . . . [by] H. Y. L. Brown, Government Geologist. [Scale 1 in. = 40 m.]

s.sh. Adelaide, 1884.

Issued with the first Annual Report, 1882-3.

— [Another edition entitled:] Geological Map, &c.

s.sh. Adelaide, 1887.

Issued with "A Record of the Mines of South Australia," by H. Y. L. Brown.

South Australia.—GEOLOGICAL SURVEY. [Maps.]

Geological Map of South Australia . . . By H. Y. L. Brown . . . Scale 16 miles to 1 inch.

4 sh. col. Adelaide, 1899.

SOUTH AUSTRALIA.—GOVERNMENT BOTANIC GARDEN.

Report of Director of Adelaide Botanic Garden, 1871. [By] R. Schomburgk . . . Director. 4^o. Adelaide, 1872.

[Continued as:]

Report on the progress and condition of the Botanic Garden and Government Plantations. 1872-88.

4^o. Adelaide, 1873-89.

Wanting the Reports for 1873, 1875 & 1886.

South Australia.—GOVERNMENT BOTANIC GARDEN.
Catalogue of the Plants under cultivation in the
Government Botanic Garden, Adelaide, South Aus-
tralia. [By] R. Schomburgk . . . Director. *pp. xiii, 200.*
8°. Adelaide, 1871.

— [Another edition.] *pp. xix, 285: 16 pls.*
8°. Adelaide, 1878.

SOUTH AUSTRALIA.—GOVERNMENT GEOLOGIST'S
DEPARTMENT. See *supra*, *Geological Survey*.

SOUTH AUSTRALIA.—Northern Territory.
Bulletin, &c. No. 1—> 8°. Melbourne, 1912—>
Each number contains a separately-paged paper.

South Australia.—Northern Territory.
Prof. [R.] Tate's Report . . . on the Mineralogical, &c.,
features of the Northern Territory. *pp. 6: 2 maps geol.*
col. 4°. Adelaide, 1882.]

South Australia.—Northern Territory.
Report on Northern Territory Explorations, by . . .
H. Y. L. Brown, Government Geologist. *pp. 34: 10 pls.*
(col.), 5 maps geol. col. 4°. Adelaide, 1895.

Appendix contains:—
Official Contributions to the Palaeontology of South Australia. By
R. Etheridge, Junr. [No. 8.] Preliminary Report on Fossils collected
in the Northern Territory, &c.

South Australia.—Northern Territory.
Northern Territory of South Australia, north-western
district. Reports (Geological and General) resulting
from the explorations made by the Government Geo-
logist and Staff during 1905, &c. (Itinerary and Miscel-
laneous Papers.) *pp. 42, 53: 5 pls. (col.), 2 maps (1 geol.*
col.), text illust. 4°. Adelaide, 1906.

Contains also:—
Official Contributions to the Palaeontology of South Australia. By
R. Etheridge, Junr.
No. 15. Preliminary Report on other Fossils . . . of South Australia
(Northern Territory).
„ 16. Cambrian Limestone on the Daly River, Northern Territory.

South Australia.—Northern Territory.
Record of Northern Territory boring operations.
See *supra*, GEOLOGICAL SURVEY. Official Contribu-
tions (No. 17 to 22) to the Palaeontology of South
Australia, &c. 4°. 1907.

South Australia.—Northern Territory.
Northern Territory of South Australia. Government
Geologist's Reports on recent Mineral discoveries, and
further record of Northern Territory Boring operations.
pp. 13: 8 pls. 4°. Adelaide, 1908.

South Australia.—Northern Territory.
Northern Territory of South Australia: north and
eastern coasts. Report, Geological reconnaissance from
Van Dieman Gulf to the McArthur River, etc., made
by the Government Geologist in 1907, &c. *pp. 12:*
1 map geol. col. 4°. Adelaide, 1908.

South Australia.—Northern Territory.
Government Geologist's Report of the Tanami Gold
country. [By H. Y. L. Brown.] *pp. 12: 4 maps (col.)*
4°. Adelaide, 1909.

South Australia.—Northern Territory.
General Report on Tanami Goldfield and district (north-
western Central Australia) . . . By L. C. E. Gee. *pp. 22:*
1 map, text illust. 4°. Adelaide, 1911.

SOUTH AUSTRALIA.—Northern Territory.
[Maps.]
Map of the Northern Territory, showing overland tele-
graph line. [Scale 1 in. = 40 m.] s.sh. Adelaide [1880?]

South Australia.—Northern Territory. [Maps.]
Plan shewing natural features of trigonometrical sur-
vey [of part of Rosebery county near Port Darwin].
The Geological & Mineralogical data inserted by R. Tate.
[Scale 1 in. = 2½ m.] s.sh. col. Adelaide, 1882.

South Australia.—Northern Territory. [Maps.]
Plan shewing explorations by Mr. Winnecke copied . . .
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South Australia.—Northern Territory. [Maps.]
Geological Map of the Northern Territory . . . prepared
. . . by H. Y. L. Brown . . . Physical Geography com-
piled by C. Winnecke, &c. Scale 20 miles to an inch.
2 sh. col. Adelaide, 1898.

South Australia.—Northern Territory. [Maps.]
See also, PORT DARWIN, *N. Coast of Australia*.

SOUTH AUSTRALIA. [Maps.] South Australia,
shewing the division into counties of the settled por-
tions of the province, with situation of Mines of Copper
and Lead, from the surveys of Capt. Frome, &c. [Scale
1 in. = 15 m.] s.sh. col. London, 1858.

South Australia. [Maps.] Map of South Australia,
exclusive of the Northern Territory, compiled . . . under
the direction of G. W. Goyder, Surveyor General.
[Scale 1 in. = 8 m.] 15 sh. Adelaide, 1880.

South Australia. [Maps.] Map of South Australia,
exclusive of the Northern Territory, compiled . . . under
the direction of G. W. Goyder, Surveyor General.
[Scale 1 in. = 16 m.] 2 sh. Adelaide, 1883.

South Australia. [Maps.] See SANDS (J.) The
new Atlas of Australia, &c. Pt. iv. fol. 1886.

South Australia. [Maps.] Plan of the southern
portion of the province of South Australia . . . Com-
piled in the office of the Surveyor General. [Scale
1 in. = 16 m.] s.sh. col. Adelaide, 1886.

South Australia. [Maps.] Map of the southern
portion of South Australia, 1911 . . . Scale [1 in. = 16 m.
about], &c. s.sh. col. Adelaide, 1911.

South Australia. [Maps.] [For Geological Maps of
South Australia] See *supra*, *Geological Survey*.

SOUTH AUSTRALIAN INSTITUTE.
See ADELAIDE.

SOUTH AUSTRALIAN MUSEUM.
See ADELAIDE.—Public Library, Museum and Art
Gallery of South Australia.

SOUTH CAROLINA, State of.—*Geological Survey.*
Report on the Geology of South Carolina; by M.
Tuomey. (Appendix.) *pp. iv, 293 (lvi): 1 pt. col.,*
2 maps (1 col.), text illust. 4°. Columbia, S.C., 1848.

Appendix contains:—
Catalogue of the Fauna of South Carolina. [By L. R. Gibbs.]
Vanuxem's report [of the Minerals collected].

SOUTH DAKOTA GEOLOGICAL SURVEY.
See VERMILLION.—UNIVERSITY OF SOUTH DAKOTA.—
South Dakota Geological Survey.

SOUTH DAKOTA SCHOOL OF MINES.
Bulletin, &c. No. 2—> 8°. Rapid City, S.Da., 1899—>
Wanting No. 1, 3, 4 & 6.

SOUTH EASTERN AGRICULTURAL COLLEGE. See WYE, Kent.

SOUTH EASTERN NATURALIST, The. The Journal (—Transactions) of the associated Natural History Societies of the south east of England. Papers and Notes by the members of the East Kent Natural History Society and of the Dover Field Club ([afterwards] Dover Natural History and Antiquarian Society). Vol. 1—II, pt. 2.† 8°. Canterbury, 1890–99.

The title of this Journal was then taken by the SOUTH EASTERN UNION OF SCIENTIFIC SOCIETIES [q.v.] for their publication.

SOUTH EASTERN NATURALIST, The; being the Transactions of the South-eastern Union of Scientific Societies. 1900→ See SOUTH EASTERN UNION OF SCIENTIFIC SOCIETIES. 8°. 1900→

SOUTH EASTERN UNION OF SCIENTIFIC SOCIETIES.

[Founded 1896. Consisting of the following Societies:—

CITY OF LONDON ENTOMOLOGICAL SOCIETY.
CITY OF LONDON COLLEGE SCIENCE SOCIETY.
NORTH LONDON NATURAL HISTORY SOCIETY.
SOUTH LONDON ENTOMOLOGICAL SOCIETY.
CLAPHAM Y.M.C.A. NATURAL SCIENCE CIRCLE.
SELBORNE SOCIETY.
BALHAM ANTIQUARIAN AND NATURAL HISTORY SOCIETY.
CROYDON MICROSCOPICAL AND NATURAL HISTORY CLUB.
CROYDON CAMERA CLUB.
HOLMESDALE NATURAL HISTORY CLUB (REIGATE).
WORKING FIELD CLUB.
BRIGHTON AND HOVE NATURAL HISTORY & PHILOSOPHICAL SOCIETY.
EASTBOURNE NATURAL HISTORY SOCIETY.
HASTINGS AND ST. LEONARD'S NATURAL HISTORY SOCIETY.
HORSHAM MUSEUM SOCIETY.
BROMLEY NATURALISTS' SOCIETY.
CATFORD AND DISTRICT NATURAL HISTORY SOCIETY.
DOVER NATURAL HISTORY SOCIETY.
EAST KENT NATURAL HISTORY SOCIETY.
FOLKESTONE NATURAL HISTORY SOCIETY.
NEW BROMPTON NATURALISTS' SOCIETY.
NORTH KENT NATURAL HISTORY AND SCIENTIFIC SOCIETY.
ROCHESTER NATURALISTS' CLUB.
SEVENOAKS NATURAL HISTORY SOCIETY.
SIDCUP LITERARY AND SCIENTIFIC SOCIETY.
SOUTHBOROUGH FIELD CLUB.
TUNBRIDGE WELLS AMATEUR PHOTOGRAPHIC SOCIETY.
TUNBRIDGE WELLS HIGH SCHOOL NATURAL HISTORY SOCIETY.
TUNBRIDGE WELLS NATURAL HISTORY AND PHILOSOPHICAL SOCIETY.
WEST KENT NATURAL HISTORY SOCIETY.
WOOLWICH AND DISTRICT ANTIQUARIAN SOCIETY.
PORTSMOUTH AND GOSPORT NATURAL HISTORY SOCIETY.]

The Transactions ... for 1897. 8°. Tunbridge Wells, 1897.

[Continued as:]

Report and Transactions, &c. 1898–99.

8°. London, 1898–99.

[Continued as:]

The South Eastern Naturalist: being the Transactions of the Societies, &c. 1900→ 8°. London, 1900→

South Eastern Union of Scientific Societies.

A Survey and Record of Woolwich and West Kent. Containing descriptions and records, brought up to date, of the Geology, Botany, Zoology, Archaeology and Industries of the district, with a brief Photographic Commentary, in commemoration of the 12th Annual Congress, 1907, of the South Eastern Union of Scientific Societies. General Editors: C. H. Grinling, T. A. Ingram ... B. C. Polkinghorne. pp. viii, 526. 8°. Woolwich, 1909.

Contains, *inter alia* :—

Geology. By R. H. Chandler, G. E. Dibley, A. L. Leach, A. E. Salter and W. Whitaker.
Botany. Edited by J. F. Bevis and W. H. Griffin (assisted by C. H. Grinling and W. Williams).
Zoology. Edited by J. W. Tutt.
Birds. Compiled by H. J. Turner.
Spiders (False Scorpions). By H. W. Kew.
Hemiptera, Homoptera & Coleoptera. By W. West.
Mollusca. By the Rev. Canon J. W. Horsley.
Prehistoric Period. By B. C. Polkinghorne.

SOUTH KENSINGTON MUSEUM.

See VICTORIA AND ALBERT MUSEUM.

SOUTH LONDON ENTOMOLOGICAL AND NATURAL HISTORY SOCIETY.

[1872 Founded as South London Entomological Society.
1884 South London Entomological and Natural History Society.]

Report, &c. 1879–84. 5 No. 8°. London, 1879–85.
Wanting the No. for 1881.

[Continued as:]

Abstract of Proceedings, &c. 1885–96.

8°. London [1885?–97].

[Continued as:]

Proceedings, &c. 1897→ 8°. London [1898→].

SOUTH LONDON MICROSCOPICAL AND NATURAL HISTORY CLUB. [Founded 1871.]

Report, &c. No. 1–21.† 8°. [London,] 1872–92.

SOUTH POLAR TIMES, The. [Issued monthly during the winters of 1902 & 1903 by the members of the British Antarctic Expedition under Capt. Scott, in the "Discovery," during their sojourn in Antarctic regions.] 2 Vol. *illustr.* (col.) 4°. London, 1907.

SOUTHALL (JOHN) A Treatise of Buggs: shewing when and how they were first brought into England, &c. pp. xiv, 44. 8°. London, 1730.

Wanting pp. 11–14.

SOUTHAMPTON.—*Botanic Gardens.*

Page's Prodomus; as a general nomenclature of all the Plants, indigenous and exotic, cultivated by him in the ... Gardens, &c. See PAGE (W. B.) 4°. 1817.

SOUTHAMPTON.—*Hampshire Field Club.*

See HAMPSHIRE FIELD CLUB.

SOUTHERN (ROWLAND) [Platyhelminia from Clare Island.] pp. 18: 1 text *illustr.* See ROYAL IRISH ACADEMY. Proceedings, &c. Vol. XXI, pt. 56. 8°. 1912.

SOUTHERN CALIFORNIA ACADEMY OF SCIENCES. [Founded 1891.]

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8°. Los Angeles, Cal., 1902→

SOUTHERN SCIENCE RECORD, The. Vol. I & II. 8°. Melbourne, 1880–82.

Wanting the title-pages, indexes, and Vol. III.

SOUTHESK, Earl of.

See CARNEGIE (J.) Earl of Southesk.

SOUTHEY (THOMAS) The rise, progress and present state of Colonial Sheep & Wools, &c. pp. iv, 93. 8°. London, &c., 1851.

SOUTHLAND INSTITUTE. [Founded 1880.]

[For Proceedings, &c.]

See NEW ZEALAND INSTITUTE. Transactions, &c.

SOUTHPORT SOCIETY OF NATURAL SCIENCE. [Founded 1890.]

Report, &c. No. 1→ 1890–91→ 8°. Southport, 1892→

SOUTHWELL (THOMAS) *F.L.S.* Report on the Anomura collected by Prof. Herdman, at Ceylon, in 1902. See ROYAL SOCIETY OF LONDON. Report ... on the Pearl Oyster Fisheries of the Gulf of Manaar, &c. Pt. v. Supplementary Reports, No. 35. 4°. 1906.

SOUTHWELL (THOMAS) *F.Z.S.* [1831–1909] Observations on the Fauna of Norfolk ... New edition, with additions ... and notes by T. Southwell. See LUBBOCK (R.) 8°. 1879.

- Southwell** (THOMAS) *F.Z.S.* The Seals and Whales of the British Seas, &c. pp. vi [i.] 128 : 12 pls., text illust. 4°. London, 1881.
- Southwell** (THOMAS) *F.Z.S.* The Birds of Norfolk, with remarks on their habits, migration, and local distribution : by H. Stevenson (continued by T. Southwell). Vol. III. See STEVENSON (H.) 4°. 1890.
- Southwell** (THOMAS) *F.Z.S.* The Official Guide to the Norwich Castle Museum, &c. See NORWICH.—Norwich Castle Museum. 8°. 1896.
- SOUTHWORTH** (EFFIE A.) The True Grasses . . . translated . . . by . . . E. A. Southworth, &c. See HACKEL (E.) 8°. 1890.
- SOUZA** (EMILE J. D') Map of the Malay Peninsula, &c. See MALAY PENINSULA. [Maps.] 1879.
- SOUZA MONTEIRO** (JOSE MARIA DE) See MONTEIRO (J. M. DE S.)
- SOWERBY**, *Family of.* List of Exhibits. Sowerby Exhibition (held) at the Royal Botanic Gardens, December 5th and 6th, 1908. [By J. F. Sowerby.] See ROYAL BOTANIC SOCIETY OF LONDON. 8°. [1908.]
- SOWERBY** (CHARLES EDWARD) [1795–1842] An Illustrated Catalogue of British Plants, arranged according to the Natural Orders, &c. pp. 56 : 48 pls. [Illustrated by J. E. Sowerby.] 12°. London, 1841.
- SOWERBY** (GEORGE BRETTINGHAM) *1st of the name* [1788–1854] The Genera of recent and fossil Shells . . . continued by G. B. Sowerby. See SOWERBY (J.) 8°. 1820–25 [–34].
- Sowerby** (G. B.) *1st of the name.* A Catalogue of the Shells contained in the collection of the . . . Earl of Tankerville . . . with an appendix, containing descriptions of many new species. pp. vii, 92, xxxv : 8 pls. col. 8°. London, 1825.
The figures of the prices inserted in manuscript are those copied from the catalogue kept in the room at Sowerby's, at the time of the sale, while this copy is also marked to show the specimens purchased by the British Museum and by Dr. Gray. There is also appended an unpublished plate of *Turbo bicarinatus*.
- Sowerby** (G. B.) *1st of the name.* See ZOOLOGICAL JOURNAL, *The* . . . conducted by . . . G. B. Sowerby. Vol. I & II. 8°. 1825–26.
- Sowerby** (G. B.) *1st of the name.* Observations on a few of the most remarkable Shells collected by . . . S. Stutchbury on the coast of some of the Islands of the Australasian and Polynesian groups, together with descriptions of a few new species. pp. 4 : 1 pl. col. 8°. [London? 1829?]
Issued as an appendix to a sale catalogue of Polynesian Shells collected by S. Stutchbury, of which catalogue no trace can now be found.
- Sowerby** (G. B.) *1st of the name.* Monographs of the genera *Ancillaria*, *Ovulum* and *Pandora*. See BRODERIP (W. J.) Species Conchyliorum, &c. Vol. I, pt. 1. 4°. 1830.
- Sowerby** (G. B.) *1st of the name.* The Conchological Illustrations, by G. B. Sowerby, Junr. [with text by G. B. Sowerby, 1st of the name.] See SOWERBY (G. B.) *2nd of the name.* 8°. [1832–] 1841.
- Sowerby** (G. B.) *1st of the name.* The Yorkshire Meteorite. s.sh. [London,] 1835.
- Sowerby** (G. B.) *1st of the name.* See MALACOLOGICAL AND CONCHOLOGICAL MAGAZINE, *The*. Conducted by G. B. Sowerby. 2 Pt. 4°. 1838 [–39].
- Sowerby** (G. B.) *1st of the name.* Molluscan Animals and their Shells. See BEECHY (F. W.) The Zoology of Capt. Beechey's Voyage. 4°. 1839.
- Sowerby** (G. B.) *1st of the name.* Monograph of the genus *Cyclostoma* (—*Columbella*.—*Voluta*.—*Lingula*.—*Terebratula*.—*Orbicula*, *Cramia*, *Hippionyx* & *Thecidium*). See SOWERBY (G. B.) *2nd of the name.* Thesaurus Conchyliorum, &c. Vol. I. 4°. 1843–46.
- Sowerby** (G. B.) *1st of the name.* Description of Fossil Shells [from the Tertiary of St. Jago, from St. Helena and from the Palaeozoic rocks of Tasmania]. See DARWIN (C. R.) Geological Observations on the Volcanic Islands visited during the voyage of H.M.S. 'Beagle,' &c. Appendix. 8°. 1844.
— [Another issue.] See DARWIN (C. R.) Geological Observations on Coral Reefs, Volcanic Islands, &c. Pt. II, Appendix. 8°. 1851.
— Second edition. See DARWIN (C. R.) Geological Observations on . . . Volcanic Islands . . . Second edition. Pt. I, Appendix. 8°. 1876.
- Sowerby** (G. B.) *1st of the name.* [New Pliocene Mollusca and a new Brachiopod from Australia and Tasmania.] See STRZELECKI (P. E. DE) Physical description of New South Wales and Van Diemen's Land. 8°. 1845.
- Sowerby** (G. B.) *1st of the name.* Descriptions of Tertiary Fossil Shells from South America. See DARWIN (C. R.) Geological Observations on South America, &c. Appendix. 8°. 1846.
— [Another issue.] See DARWIN (C. R.) Geological Observations on Coral Reefs . . . and on South America, &c. Pt. III, Appendix. 8°. 1851.
— [Second edition.] See DARWIN (C. R.) Geological Observations on . . . Volcanic Islands . . . Second edition. Pt. II, Appendix. 8°. 1876.
- Sowerby** (G. B.) *1st of the name.* [Manuscript Catalogue of the Mollusca contained in the Museum of the Company. By G. B. Sowerby.] See EAST INDIA COMPANY. fol. []
- SOWERBY** (GEORGE BRETTINGHAM) *2nd of the name* [1812–1884] The Conchological Illustrations, by G. B. Sowerby, Jun. [pp. iv, 116 :] 200 pls. col. 8°. London, [1832–] 1841.
The text consists of 'Catalogues of the recent species' and 'Lists of the figures': the former, with the exception of those for the genera *Chiton*, *Cardium*, *Murex*, and *Typha*, are by G. B. Sowerby, 1st of the name. Some of the plates were drawn in 1832, and intended to be issued with text by J. E. Gray [See infra, SOWERBY (G. B.) *2nd of the name*, & GRAY J. E.] A portion of the cancelled text belonging to this edition has been preserved with Dr. Gray's tracts.
For details concerning the dates of publication of the parts of this work, See notes by C. DAVIES SHERBORN and H. O. N. SHAW in "Proc. Malac. Soc. Lond." Vol. VIII, 1909, pp. 331–340.
- Sowerby** (G. B.) *2nd of the name.* A Conchological Manual. pp. v [i.] 130, 2 tabs. : 24 pls. (1 col.) 8°. London, 1839.
— Second edition. pp. vi, 313, 2 tabs. : 27 pls. 8°. London, 1842.
Interleaved copy, with manuscript notes by F. E. Edwards.
— Fourth edition, &c. pp. vi [i.] 337, 2 tabs. : 29 pls. col., text illust. 8°. London, 1852.

Sowerby (G. B.) *2nd of the name.* Thesaurus Conchyliorum, or Monographs of Genera of Shells. Edited by G. B. Sowerby, Junr. [Completed by G. B. Sowerby, 3rd of the name.] 5 Vol. *illust. col.* LARGE PAPER. 4^o. London, (1842-) 1847-87.

Issued in 44 parts, as follows:—Vol. 1, pt. 1, pp. 1-89: pls. *i-x*, May, 1842 [Proc. Zool. Soc. ix, p. 101]; [pt. 2-7 from dates of receipt in the Printed Book Department, British Museum] pt. 2, pp. 41-83: pls. *xi-xx*, 2 Nov. 1842; pt. 3, pp. 83-166: pls. *xxi-xxxi*, 25 June, 1843; pt. 4, pp. 83 [bis]-166 [bis]: pls. *xxxii-xt*, 11 April, 1844; pt. 5, pp. 167 [bis]-166 [bis], 157-220: pls. *xti-le*, 15 Jan. 1845; pt. 6, pp. 221-238: pls. *lxi-lxvii*, 21 Jan. 1846; pt. 7, pp. 239-406: pls. *lxviii-lxxviii*, 27 Nov. 1846; pt. 8, pp. 407-433: pls. *lxxix-xti*, 1847; Vol. II, pt. 9, pp. 439-484: pls. *xxii-ci*, & *xxxi a*, 1849; pt. 10, pp. 485-546: pls. *cii-cxvi*, 1849; pt. 11, pp. 547-608, & Vol. 1, pp. 157*-163*: pls. *cxvii-cxxe*, *xxxi b* & *ccxii bis*, 1850; pt. 12, pp. 609-654: pls. *cxvii-cxxxi*, 1851; pt. 13, pp. 655-702: pls. *cxli-clii*, 1852; pt. 14, pp. 703-763: pls. *cliii-clxiii*, 1853; pt. 15, pp. 763-846: pls. *clxiii-cxxe*, 1854; pt. 16, pp. 847-899: pls. *clxxvii-clxxxi*, 1855; Vol. III, pt. 17, pp. 1-24: pls. *clxxvii-cxxe*, 1857; pt. 18, pp. 25-56: pls. *cxvii-cxx*, 1858; pt. 19, pp. 57-96: pls. *cxvii-cxxii*, 1859; pt. 20, pp. 97-178: pls. *ccxiii-ccxxviii*, 1860; pt. 21, pp. 173-206: pls. *ccxxvii-ccxxviii*, 1862; pt. 22, pp. 207-243: pls. *ccxlii-cclv*, 1863; pt. 23, pp. 249-276: pls. *cclvi-cclxv*, 1864; pt. 24 & 25, pp. 277-331: pls. *cclxvi-cxxx*, 1866; Vol. IV, pt. 26-28, Cyprus, pt. 1-58: pls. *ccxxii-ccxxviii*, 1870; pt. 29, Oliva, pls. *ccxxviii [sic]-ccxxli*, 1870; pt. 30, Oliva, pls. 1-45: pls. *ccxxli-cccli*, 1871; pt. 31 & 32, Mitra, pp. 1-46: pls. *cccli-ccclxxii*, 1874; pt. 33 & 34, Murex, pp. 1-55: pls. *ccclxxii-ccclxii*, 1879; pt. 35 & 36, Trophon, &c., pp. 59-110: pls. *ccclxii-ccclxxiii*, *ccclxxiv bis*, *ccclxvii*, *ccclxxviii* & *ccclxxvii bis*, 1880; Vol. V, pt. 37 & 38, pp. 1-54: pls. *ccclxxvii-ccclxxviii*, *ccclxxiv bis*, *ccclxvi* & *ccclxvii bis*, 1882; pt. 39 & 40, pp. 55-120: pls. *ccclxxvii-ccclxxviii*, 1883; pt. 41 & 42, pp. 121-188: pls. *ccclxxvii-ccclxxviii* & *ccclxxiv bis*, 1884; pt. 43, pp. 189-234: pls. *ccclxxvii-dvi*, 1886; pt. 44, pp. 249-305: pls. *dvi-dxxii*, *dxxi bis* & *dxxii*, 1887.

There is no pl. *ccxvi*, nor *ccc*, while there are two marked *ccvii*. Pls. *ccxxii-ccclxxi* have been wrongly numbered *ccclxii-ccclxv*, and pls. *dxxiii*, *dxxiv* are numbered *dxxviii* & *dxxvii*.

In Vol. IV, Monograph on *Murex* and *Trophon*, p. 56 is blank, and pp. 57, 58 are non-existent, whilst in Vol. V there are no pages numbered 255-248.

Most of the monographs are by the editor. The others include:—

Cyclotoma, *Columbella*, *Voluta*, *Lingula*, *Terebratula*, *Orbicula*, *Crania*, *Hyponyx* and *Thecidium*, by G. B. Sowerby, 1st of the name.
Terebra, by R. B. Hinds.
Tellina, *Nuculidae* and *Solarium*, by S. Hanley.
Cymba and *Melo*, by W. J. Broderip.
Bullidae, *Eulina*, *Niso*, *Leiostraca*, *Obeliscus*, *Pyramulella*, *Monopygma*, *Stomatellinae*, *Cyclostrema*, *Adeorbis* and *Tenostoma*, by A. Adams.
Cemoria, *Cranoopsis*, *Zeidora*, *Rimula*, *Emarginula*, *Scutus* and *Tugalia*, by A. Adams and G. B. Sowerby, 2nd of the name.

The last two parts, containing the monographs on *Turbo* and the continuation of those on *Conus* and *Voluta*, are by G. B. Sowerby, 3rd of the name.

Sowerby (G. B.) *2nd of the name.* Popular British Conchology. A familiar history of the Molluscs inhabiting the British Isles. pp. xii, 304: 20 pls. *col.* 8^o. London, 1854.

Sowerby (G. B.) *2nd of the name.* Foraminifera from the Colne tidal river, Essex. 1 pl., with descriptive letterpress. 8^o. [London,] 1856.

Sowerby (G. B.) *2nd of the name.* Popular history of the Aquarium of marine and fresh-water Animals and Plants. pp. xvi, 327: 20 pls. *col.* 8^o. London, 1857.

Sowerby (G. B.) *2nd of the name.* Companion to Mr. Kingsley's "Glaucus," containing coloured illustrations of the objects mentioned in the work, accompanied by descriptions. pp. 48: 12 pls. *col.* 8^o. Cambridge, 1858.

Sowerby (G. B.) *2nd of the name.* Illustrated Index of British Shells. Containing figures of all the recent species, with names and other information. pp. xv, 24 pls., with descriptive letterpress. 4^o. London, 1859.

— Second edition, revised and enlarged by G. B. Sowerby [3rd of the name]. pp. xvi: 26 pls. *col.*, with descriptive letterpress. 4^o. London, 1887.

Sowerby (G. B.) *2nd of the name.* Conchologia Iconica . . . continued by G. B. Sowerby. Vol. [xv-] xviii-xx. See REEVE (L. A.) 4^o. (1870-) 1878.

Sowerby (G. B.) *2nd of the name.* Malacostraca Podophthalmata Britanniae . . . continued and completed, with a new generic and specific index to the whole, and seven new plates, by G. B. Sowerby. No. 18, 19. See LEACH (W. E.) 4^o. 1875.

Sowerby (G. B.) *2nd of the name.* Specimen plate [of Natural History objects]. 2 copies (1 plain, 1 *col.*) 4^o. London [].

Sowerby (G. B.) *2nd of the name, & Adams (A.)* Monographs of the genera *Cemoria*, *Cranoopsis*, *Zeidora*, *Rimula*, *Emarginula*, *Scutus* & *Tugalia*. See SOWERBY (G. B.) *2nd of the name.* Thesaurus Conchyliorum, &c. Vol. III. 4^o. 1863.

Sowerby (G. B.) *2nd of the name, & Gray (J. E.)* The Conchological Illustrations, or coloured figures of all the hitherto unfigured recent Shells, by G. B. Sowerby, Junr., with the corresponding text of a Descriptive Catalogue of Shells, by J. E. Gray. pp. 22, 2. 8^o. London, 1832.

This text was never issued: the plates which were prepared for it were published with fresh text, under the same title, between 1832 and 1841, by G. B. Sowerby, 2nd of the name. [Cf. note by C. DAVIES SHEERSON in "Proc. Malac. Soc. Lond." Vol. VIII, 1909, p. 331.]

— [Another copy.] pp. 22, 2: 1 pl. *col.*

Interleaved copy, with manuscript notes by J. E. Gray. A letter by Sowerby is bound in at the end.

SOWERBY (GEORGE BRETTINGHAM) *3rd of the name* [1843-] Appendix (second supplement) to Monograph of the genus *Conus*. (— Completion of the . . . Monographs of *Voluta* . . . and *Melo*. — A Monograph of the genus *Turbo*.) See SOWERBY (G. B.) *2nd of the name.* Thesaurus Conchyliorum. Vol. I, III & V. 4^o. 1864-87.

Sowerby (G. B.) *3rd of the name.* Illustrated Index of British Shells. . . Second edition, revised and enlarged by G. B. Sowerby [3rd of the name]. See SOWERBY (G. B.) *2nd of the name.* 4^o. 1887.

Sowerby (G. B.) *3rd of the name.* Marine Shells of South Africa. A Catalogue of all the known species with references to figures in various works, descriptions of new species, and figures of such as are new, little known, or hitherto unfigured. pp. iv, 89: 5 pls. 4^o. London, 1892.

— Appendix. pp. [i], 42: 3 pls. 4^o. London, 1897.

SOWERBY (HENRY) [1825-1891] Popular Mineralogy; comprising a familiar account of Minerals and their uses. pp. viii, 344: 20 pls. *col.* 8^o. London, 1850.

SOWERBY (JAMES) [1757-1822] [A Botanical Drawing-Book: or, an easy introduction to drawing flowers according to Nature, &c. obl. fol. London, 1789.] Wanting.

— Second edition, &c. 10 pls., with descriptive letterpress. obl. fol. London [1791].

Sowerby (JAMES) Speculum Linnæanum; or Linnæan Zoology; containing a complete illustration of the Zoological part of the Systema Naturæ of Linnæus: with figures . . . by J. Sowerby. See SHAW (G.) *F.R.S.* 4^o. 1790.

Sowerby (JAMES) English Botany; or, coloured figures of British Plants, with their essential characters, synonyms, and places of growth. To which will be added, occasional remarks. (By J. E. Smith . . . The figures) By J. Sowerby. 36 Vol. [in 6] *illustr. col.*

8^o. London, 1790-1814.

The text (except that to Pls. xvi, xvii & xviii by G. Shaw) was written by Sir J. E. Smith, whose name, however, appears for the first time on the title-page to Vol. iv. The plates have been mounted on sheets with the original drawings.

— General Indexes . . . to which is added, an alphabetical index to English Fungi; making together, a catalogue of indigenous British Plants.

8^o. London, 1814.

— Supplement . . . The descriptions, synonyms, and places of growth by W. J. Hooker (W. Borrer . . . C. C. Babington . . . M. J. Berkeley . . . W. Wilson . . . W. W. Newbould) . . . The figures by J. De C. Sowerby (and J. W. Salter). 5 Vol. [in 1] *illustr. col.* 8^o. London, 1831-63.

The plates mounted on sheets are kept with those of the main work.

— Second (or small) edition . . . with the descriptions shortened, and occasional remarks added. [Edited (Vol. I & II) by J. De C. Sowerby and (Vol. III-XII) C. Johnson.] 12 Vol. *illustr. col.* 8^o. London, [1832,] 1835-46.

[— Third edition, &c. Vol. I-VII.] 8^o. London, (1847-) 1849-54.]

Wanting.

Issued in 80 monthly parts. It consists of a re-issue of the first seven volumes of the preceding with new title-pages, while the plates bear a double numeration throughout. The announcements on the back of the wrappers show that the issue was confined to the section Phanerogamia.

— Third edition . . . re-arranged according to the natural orders . . . With descriptions of the species by the editor. See SYME afterwards BOSWELL (J. T. I.)

4^o. 1863-86.

Sowerby (JAMES) A Specimen of the Botany of New Holland . . . The Figures by J. Sowerby, &c. Vol. I. See SMITH (Sir J. E.) 4^o. 1793.

Sowerby (JAMES) Coloured figures [with descriptions] of English Fungi or Mushrooms. 3 Vol. & Suppt. 440 pls. *col.* fol. London, [1795-] 1797-1809 [-15].

The first six plates and several at the end of the Suppt. are undated; the earliest date is 1795, the latest Nov. 1814.

The original water-colour drawings for the plates have been incorporated in the collection in the Botanical Department.

For tables correlating the *Hymenomyces* described in this work with the species of Fries, See LAPLANCHE (M. C. DE) 'Dictionnaire iconographique des Champignons.'

Sowerby (JAMES) Exotic Botany: consisting of coloured figures . . . of . . . rare Plants . . . by J. Sowerby, &c. 2 Vol. See SMITH (Sir J. E.) 4^o. 1804-05.

Sowerby (JAMES) The British Miscellany: or coloured figures of new, rare, or little known Animal Subjects; many not before ascertained to be inhabitants of the British Isles; and chiefly in the possession of the author. [Alphabetical Index.] 2 Vol. [in 1] 76 pls. *col.*, with descriptive letterpress. 4^o. London, 1804-06 [-75].

Issued in twelve numbers. Vol. II stops short at p. 31.

Sowerby (JAMES) British Mineralogy: or coloured figures intended to elucidate the Mineralogy of Great Britain. 5 Vol. 550 pls. *col.*, with descriptive text.

8^o. London, [1802-] 1804-17.

As shown by a copy of the first volume in the original wrappers, and by the dates on the plates throughout, the first part of this work was issued 1 Nov., 1802, and subsequent parts up to 1 Oct., 1805, appeared on the first of each month. No part seems to have been issued for November of that year, and publication then proceeded on alternate months beginning with February in 1806, with January in 1807, and with February again for the years 1808 to 1811. The issue then became irregular, parts appeared in February, April, June and August 1812, in February, July, September and November 1813, terminating with pl. *div.*

Pls. *iv* and *lv*, although dated 1 Jan., 1804, were issued 1 Dec., 1803. (Note on wrapper to pt. 14.) Only one plate bears date 1 Jan., 1807: there are also single plates dated 1 May, 1808, 1 Sept., 1808, 1 Jan., 1811, and 1 May, 1812, but those seem to be errors. Pl. *ccccxxiv* has no date, but probably appeared 1 Dec., 1811. Pls. *dv-dxii* are dated 1816 only; pls. *dxiii-dxx*, 1 May, 1816; pls. *dxxi-dxxviii*, 1 July, 1816; pls. *dxxix, dxlii, dxliii, dxliiii, dxliiii*, 1 Sept., 1816; whilst pls. *dxvii, dxviii, dxviii* and *dxviii-dl* are undated.

[**Sowerby (JAMES)** British Mineralogy, &c. (contd.)]

The text at first was not always issued with the illustrations. In the copy of Vol. I above referred to, it was obviously not all in the original state of issue, but by computation the following dates may be assigned for that volume:—pp. 1-33, 1 Nov., 1802; pp. 33-64, 1 July, 1803; pp. 65-96, 1 Jan., 1804; pp. 97-113, 1 April, 1804; pp. 113-136, 1 May, 1804; pp. 137-152, 1 June, 1804; pp. 153-166, 1 July, 1804; pp. 157-168, 1 Aug., 1804; pp. 169-184, 1 Sept., 1804; pp. 185-200, 1 Oct., 1804; pp. 201-216, 1 Nov., 1804; pp. 217-232, and two leaves to replace pp. 129, 130, 1 Dec., 1804. Subsequently, judging from the note on the wrappers to the "Exotic Mineralogy," the text accompanied the plates belonging to it.

Sowerby (JAMES) Exotic Mineralogy: or, coloured figures of foreign Minerals, as a supplement to British Mineralogy. 2 Vol. 169 pls. *col.*, with descriptive letterpress. 8^o. London, 1811-17 [-20].

From a nearly complete copy in the original wrappers the dates of issue of the parts were as follows:—

Vol. I, no.	1, pp.	1-12: pls.	i-vi,	1 March
" "	2,	13-24: "	vii-xii,	1 June
" "	3,	25-36: "	xiii-xviii,	1 Aug.
" "	4,	37-48: "	xix-xxiv,	1 Oct.
" "	5,	49-60: "	xxv-xxx,	1 Dec.
" "	6,	61-72: "	xxxi-xxxvi,	1 Feb.
" "	7,	73-84: "	xxxvii-xlii,	1 April
" "	8,	85-96: "	xliii-xlviii,	1 June
" "	9,	97-108: "	xlix-lv,	1 Aug.
" "	10,	109-120: "	lvi-lx,	1 July
" "	11,	121-132: "	lxi-lxvi,	1 Sept.
" "	12,	133-144: "	lxvii-lxxii,	1 Nov.
" "	13,	145-156: "	lxxiii-lxxix,	1 March

["It was intended to have published the Turquois in Tab. 73, but it has been found necessary to postpone that plate." (Note on wrapper to No. 13.)]

Vol. I, no.	14, pp.	159-170: pls.	lxxx-lxxxv,	1 May
" "	15,	171-182: "	lxxxvi-xci,	1 July
" "	16,	183-194: "	xcii-xcvi,	1 Sept.
" "	17,	195-206: "	xcvii-cx,	1 Nov.
" "	18,	207-218: "	cxii-cxv,	1 Jan.
" "	19,	219-230: "	cxvi-cxxi,	1 March
" "	20,	231-242: "	cxvii-cxxii,	1 May
" "	21,	243-254: "	cxviii-cxxviii,	1 July
" "	22,	255-266: "	cxvix-cxxxiv,	1 Sept.
" "	23,	267-278: "	cxv-xci,	1 Nov.
" "	24,	279-290: "	cxli-cxlii,	1 Jan.
" "	25,	291-302: "	cxliiii-cxli,	1 March
" "	26,	303-314: "	cxliiii-cxlii,	1 May
" "	27,	315-326: "	cxliiii-cxlii,	1 March

Six more parts had been projected, but only one (or two?), containing pls. cxliiii-cxlix with their text, pp. 141-151, ever appeared. An Index has been added in manuscript.

Sowerby (JAMES) The Mineral Conchology of Great Britain; or coloured figures and descriptions of those remains of Testaceous Animals or Shells, which have been preserved at various times, and depths in the earth. (. . . Continued [Vol. v-vii] by J. D. C. Sowerby.) [With supplementary indexes and notes to the first four volumes, by J. Farey.] 7 Vol. *illustr. col.*

8^o. London, 1812-29 (-46).

Vol. vii was not completed: it consists of eight parts, and has no title-page or index.

For papers on the dates of publication of the 113 parts, See E. RENEVIER, "Bull. Soc. Vandoise Sci. nat.," tom. iv, 1855, p. 818; and E. R. SYKES, "Proc. Malac. Soc. Lond.," Vol. vii, 1906, p. 191.

The Geological Department possesses:—One complete copy, without the original wrappers, but with a manuscript list by J. De C. Sowerby of the dates of their issue; another complete copy, in which the wrappers to the parts of Vol. vii have been kept; and a third copy, in which the contents have been bound in systematic order; whilst there is also a set of the first fifty parts in the original wrappers.

— Systematical, stratigraphical, and alphabetical Indexes to the first six volumes . . . to which is added a short account of the Life of the author by J. D. C. Sowerby. pp. [ii.] 241-250, 11: 1 port.

8^o. London, 1834 [i.e. 1835-40].

This brochure had a composite origin. The title-page, dated 1834, would seem to have been struck off first to serve as a prospectus. The "Preface to the Indexes" is dated July, 1835. The "Systematical Index" is pagged in continuation of Vol. vi of the "Mineral Conchology." These, with the portrait, were published as No. 105 of the last-named work in Aug. 1835; whilst the separately-pagged "Alphabetical Index" was subsequently issued in the first part (No. 106) of Vol. vii, in March, 1840. The "Stratigraphical Index" and the "Life of the author" were never issued.

In addition to the copies included in the complete sets of the "Mineral Conchology," the Geological Department has one, without the portrait or the preface, that belonged to T. Davidson, and contains his manuscript notes and sketches. Also a copy of the "Systematical Index" that was marked in manuscript by J. De C. Sowerby to form an index to the collection delivered to the British Museum in 1861, and has, in addition, his manuscript index to the first seven parts of Vol. vii of the "Mineral Conchology."

Sowerby (JAMES) *Conchologie [sic] Minéralogique de la Grande Bretagne . . . Traduction Française, revue et corrigée par L. Agassiz. [Pt. 1.] pp. 52 : 21 pls. col. 8°. Neuchâtel, 1837.*

A copy of the first part as originally issued.
Plates 13-16 are misnumbered 9-12.

Conchyliologie Minéralogique de la Grande Bretagne . . . Traduit de l'Anglais [with notes] par E. Desor. Attec [sic] un avant-propos et des notes . . . par L. Agassiz. pp. viii, 682 : 404 pls. col. [in 2 Vol.]

8°. *Soleure*, [1837-] 1845.

In the first part of this issue, pp. 15 & 16, 35 & 36, 45-52 have been replaced by others with altered text: the date 1844 appears on p. 52. Otherwise this part seems identical with the 1837 issue.

The following pages are also replacements of prior issues, viz.: — pp. 57-90, 101 & 102, 123 & 124.

Plates 13-16 and 379-403 are misnumbered 9-12 and 371-395 respectively. Plate 176 is printed with 177, and 288 has been missed in the numeration, whilst there are three additional plates marked 99 a-c.

The work was published in 20 parts, but nothing is at present known concerning their dates of issue beyond the records in Kayser's "Index Librorum," which gives, No. 1-5, 1837-40; No. 7, 1841; and No. 8-20, 1842-45; or the statement in the "Bull. Soc. Géol. France" (Sér. II, tom. III, p. 806) that No. 13-20 were received in 1845.

Sowerby (JAMES) *J. Sowerby's Mineral-Conchologie Grossbritannienens . . . Deutsch bearbeitet von E. Desor. Durchgesehen und mit Anmerkungen und Berichtigungen versehen von . . . L. Agassiz. pp. 639 : 404 pls. col. [in 2 Vol.]* 8°. *Solothurn*, [1837-] 1842-44.

Wanting plate 275, for which examples of the original plates (429 & 430) have been inserted.

Plates 13-16 and 379-403 are misnumbered 9-12 and 371-395 respectively. Plate 176 is printed with 177, and 288 has been missed in the numeration, whilst there are three additional plates marked 99 a-c.

The work was published in 20 parts. Part 1 was originally issued at Neuchâtel in 1837 and re-issued at Brunswick in 1840. From records in the "Neues Jahrb. f. Mineral." it seems that leaf. 1-3, pp. 1-124: pls. i-ix appeared in 1840; leaf. 4-8, pp. 125-286: pls. lxi-clvii in 1841; and leaf. 9, pp. 287-306: pls. clviii-clxxviii in 1842; whilst Kayser ("Index Librorum") gives leaf. 9-20, 1842-44.

Sowerby (JAMES) *Malacostraca Podophthalmata Britanniae . . . illustrated . . . by J. Sowerby. No. 1-17. See LEACH (W. E.)* 4°. 1815-20.

Sowerby (JAMES) *The Genera of Recent and Fossil Shells, for the use of students in Conchology and Geology. Commenced by J. Sowerby . . . and continued by G. B. Sowerby [1st of the name] . . . with . . . plates by J. Sowerby and J. D. C. Sowerby. 2 Vol. 267 pls. col., with descriptive letterpress.* 8°. *London*, 1820-25 [-34].

The last plate is numbered 279; but no plates were issued with the numbers 30, 162, 163, 164, 169, 170, 173, 174, 175, 200, 268 & 268. The title-pages and index were added after the sale of the stock in 1875. A set of the original wrappers from No. 2-42 (the last) is bound in at the end.

For dates of issue of the various parts. See note by C. D. SHERRORN, *Ann. & Mag. Nat. Hist.*, Ser. VI, vol. XIII, 1894, pp. 370-1, and further notes by E. R. SYKES, *Proc. Malac. Soc. Lond.*, Vol. VII, 1906, p. 194.

— [Another copy.]

Without title-pages or index: plates unnumbered. The genera are arranged alphabetically, and bound text and plates apart in 4 Vol.

Sowerby (JAMES) *A Catalogue of Fossils, from the Mountain Limestone of Great Britain, extracted from the works of Messrs. Philips [sic] and Sowerby. See PHILLIPS (J.)* 8°. 1837.

Sowerby (JAMES) [A coloured plate, representing *Passiflora quadrangularis*, by J. Sowerby.] s.sh. []

Sowerby (JAMES) [Three original water-colour drawings for the first edition of the *Hortus Kewensis*.] See AITON (W.) fol. 1787-88.

Banksian MS. No. 17.

Sowerby (JAMES) [103 original coloured drawings to illustrate Fasc. II-IV of J. Dickson's *Fasciculus Plantarum Cryptogamicarum Britanniae*.] fol. [1789?-1801?]

Banksian MS. No. 21. *Pide Dryander's Cat. Bibl. Banks.* Vol. III, p. 220: foll. 61-103 were added subsequently to the printing of that Catalogue.

Sowerby (JAMES) *Guide to Sowerby's Models of British Fungi in the . . . British Museum . . . By W. G. Smith. See BRITISH MUSEUM (NATURAL HISTORY). Botany. [Guides.]* 8°. 1893.

— [Another issue.] 8°. 1898.

— Second edition, &c. 8°. 1908.

Sowerby (JAMES) *Illustrations of type specimens of Inferior Oolite Ammonites in the Sowerby Collection, &c. Pls. I-VII. See PALÆONTOLOGICAL SOCIETY.* 4°. 1908.

Several of the plates have been prepared with the assistance of S. S. Buckman.

SOWERBY (JAMES) the Younger [1815-1834] *The Mushroom and Champignon illustrated, compared with, and distinguished from, the poisonous Fungi that resemble them. [pp. viii:] 5 pls. (col.)* 4°. *London*, 1832.

SOWERBY (JAMES DE CARLE) [1787-1871] *The Genera of Recent and Fossil Shells . . . with . . . plates by . . . J. D. C. Sowerby. See SOWERBY (JAMES).* 8°. 1820-25 [-34].

Sowerby (JAMES DE C.) *See ZOOLOGICAL JOURNAL, The . . . Conducted by . . . J. De C. Sowerby, &c. Vol. I & II.* 8°. 1825-26.

Sowerby (JAMES DE C.) *The Mineral Conchology of Great Britain . . . By J. Sowerby, continued [Vol. v-vii] by J. D. C. Sowerby. See SOWERBY (JAMES).* 8°. 1825-29 (-46).

— Systematical . . . and alphabetical Indexes to the first six volumes . . . to which is added a short account of the Life of the author by J. D. C. Sowerby. 8°. 1834 [i.e. 1835-40].

Sowerby (JAMES DE C.) *Conchyliologie Minéralogique de la Grande Bretagne . . . Traduit de l'Anglais par E. Desor, &c. See SOWERBY (JAMES).* 8°. [1837-] 1845.

Sowerby (JAMES DE C.) *J. Sowerby's Mineral-Conchologie Grossbritannienens . . . Deutsch bearbeitet von E. Desor, &c. See SOWERBY (JAMES).* 8°. [1837-] 1842-44.

Sowerby (JAMES DE C.) *English Botany . . . Supplement . . . The figures by J. De C. Sowerby, &c. See SOWERBY (J.)* 8°. 1831-63.

— Second (or small) edition, &c. [Edited (Vol. I & II) by J. De C. Sowerby.] 8°. [1832.] 1835.

— Third edition, &c. Vol. I-XI. *See SYME afterwards BOSWELL (J. T. I.)* 8°. 1863-72.

Sowerby (JAMES DE C.) [List of Freshwater Mollusca from northern Canada.] *See RICHARDSON (Sir J.) Fauna Boreali-Americana, &c. Pt. III.* 4°. 1836.

Sowerby (JAMES DE C.) [For descriptions of Fossil Shells from Australia] *See MITCHELL (Sir T. L.) Three expeditions into the interior of eastern Australia, &c. Vol. I.* 8°. 1838.

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— [Another edition entitled:] *The Geology of Sussex . . . New [Second] edition, &c.* 4°. 1878.

Sowerby (JAMES DE C.) Illustrations of Type Specimens of Inferior Oolite Ammonites in the Sowerby Collection, &c. Pls. I-VII. See PALEONTOLOGICAL SOCIETY. 4^o. 1908.

Several of the plates have been prepared with the assistance of S. S. Buckman.

Sowerby (JAMES DE C.) [Twenty-nine sheets of] Drawings of Mosses, from which the plates of Muscologiae Hibernicae Spicilegium [by D. Turner (q.v.)] were engraved, made by J. Sowerby, Junr. [i.e. J. De C. Sowerby] at Yarmouth, August 1803. fol. [1803.]

Sowerby (JAMES DE C.) [65 water-colour drawings of Chelonia, forming the originals for the plates, published and unpublished, to T. Bell's "Monograph of the Testudinata" and Sowerby & Lear's "Tortoisés," &c.] fol.

Sowerby (JAMES DE C.) & **Lear** (E.) Tortoisés, Terrapins and Turtles, drawn from life. [With introduction and explanatory text by J. E. Gray.] pp. xxiv, 16: 60 pls. col. fol. London, &c., 1872.

This work consists of the plates originally drawn for T. Bell's "Monograph of the Testudinata" [q.v.]. Only forty of the plates had been published when that work was stopped. A revised proof of Gray's text is bound up with the copy of Bell's monograph.

SOWERBY (JAMES FRANK) [1887-] List of Exhibits. Sowerby Exhibition (held at the Royal Botanic Gardens, December 5th and 6th, 1908. [By J. F. Sowerby.] See ROYAL BOTANIC SOCIETY OF LONDON. 8^o. [1908.]

SOWERBY (JOHN EDWARD) [1825-1870] The Ferns of Great Britain: illustrated by J. E. Sowerby, &c. See JOHNSON (C.) 4^o. [1855.]

Sowerby (JOHN E.) The Fern allies; a supplement to the Ferns of Great Britain. Illustrated by J. E. Sowerby, &c. See JOHNSON (C.) 4^o. 1856.

Sowerby (JOHN E.) The Grasses of Great Britain: illustrated by J. E. Sowerby, &c. See JOHNSON (C.) 8^o. [1857-61.]

Sowerby (JOHN E.) British Wild Flowers. Illustrated by J. E. Sowerby, &c. See JOHNSON (C. P.) 8^o. [1858-] 1860.

Sowerby (JOHN E.) The Useful Plants of Great Britain... Illustrated by J. E. Sowerby. See JOHNSON (C. P.) 8^o. 1861 [-62].

Sowerby (JOHN E.) English Botany... The figures by... J. E. Sowerby... Third edition, &c. See SYME afterwards BOSWELL (J. T. I.) 8^o. 1863-86.

Sowerby (JOHN E.) An illustrated Key to the natural orders of British Wild Flowers, &c. pp. 42: 9 pls. 8^o. London, 1865.

SOYER-WILLEMET (HUBERT FÉLIX) [1791-1861] Mémoire sur le Nectaire, &c. pp. 56 [I]. 8^o. Paris, 1826. Mém. Soc. Linn. Paris. Tom. v, 1827.

Soyer-Willemet (H. F.) Observations sur quelques Plantes de France suivies du Catalogue des Plantes Vasculaires des environs de Nancy. pp. 195. 8^o. Nancy, 1828.

Soyer-Willemet (H. F.) Sur l'*Euphrasia officinalis* et les espèces voisines.—Sur les *Erica multiflora* et *vagans*. 8^o. [Nancy, 1833.] Mém. Soc. roy. Sci. Nancy. 1833-34, pp. 23-39.

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Soyer-Willemet (H. F.) Sur le *Cerastium manticum* et quelques espèces de ce genre.—*Erodium cicutum* et *luciniatum*, plantes nouvelles pour la Flore Française, avec des notes sur quelques espèces de ce genre. pp. 24. 8^o. Nancy, 1839.

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Mém. Soc. roy. Sci. Nancy. 1846.

The senior author published some further observations in the same memoirs in 1852.

Soyer-Willemet (H. F.) & **Godron** (D. A.) Monographie des *Silene* de l'Algérie. pp. 51. 8^o. Nancy, 1851. Mém. Soc. roy. Sci. Nancy. 1850.

SPACH (ÉDOUARD) [1801-1879] Histoire naturelle des Végétaux. Phanérogames. 14 Tom. & Atlas. 8^o. Paris, 1834-48.

Forming one of Roret's "Collection des Suites à Buffon."

Spach (É.) Dictionnaire universel d'Histoire naturelle... par MM. Arago... Spach, &c. 16 Vol. *illustr.* (col.) See ORBIGNY (A. C. V. D. D'). 8^o. [1839-] 1849.

— [Another issue.] 8^o. 1861.

— Nouvelle édition, &c. 17 Vol. *illustr.* (col.) 8^o. [1867?]

Spach (É.) & **Jaubert** (H. F.) *Count*. Illustrationes Plantarum Orientalium, &c. 5 Vol. See JAUBERT (H. F.) *Count* & SPACH (É.) fol. 1842-57.

SPADA (ALESSANDRO) Osservazioni stratigrafiche e paleontologiche concernenti la Geologia della Toscana, &c. [With notes by A. Spada.] See SAVI (P.) & MENEGHINI (G.) 8^o. 1851.

SPADA (GIOVANNI GIACOMO) [1680-1774] Corporum Lapidefactorum agri Veronensis catalogus quæ apud J. J. Spadam... asservantur. Editio altera... cui accedunt annotationes, &c. pp. 81: 10 pls. 4^o. Verona, 1744.

Large-paper copy.

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SPADONI (PAOLO) [1764-1826] Pellegrinazioni alle Gessaje di Sant'Angelo, San Gaudenzio, Portone e Scapezzano nel dipartimento del Metauro e scoperti quivi fatte dal... P. Spadoni. pp. 98: 1 pl. 8^o. Macerata, 1813.

SPAE (D.) Mémoire sur les espèces du genre *Lis*, &c. pp. 46. See BRUSSELS.—ACADÉMIE ROYALE DES SCIENCES, &c. Mémoires couronnés, &c. Tom. XIX. 4^o. 1847.

SPAENDONCK (GERRIT VAN) [1746-1822] Fleurs dessinées d'après nature, &c. Cahir I-IV. 16 pls. fol. Paris [].

Wanting Cab. v & vi, pls. xvii-xxiv.

Spaendonck (G. VAN) Des Fleurs d'après la Nature par Spaendonck gemahlt [sic]. 70 water-colour drawings. fol. []

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SPAETH (FRANZ) [Cassidæ from Dutch New Guinea.] See WICHMANN (C. E. A.) Nova Guinea, &c. Vol. v, livr. 1; ix, livr. 1 & 3. 4^o. 1906-13.

Spaeth (F.) [Cassidæ from the Kilimandjaro-Meru district.] See SJÖSTEDT (B. Y.) Wissenschaftliche Ergebnisse der Schwedischen Zoologischen Expedition nach dem Kilimandjaro... 1905-1906, &c. Bd. i. Coleoptera, no. 13. 4^o. 1910.

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Atti Soc. Ital. Sci. Nat. Vol. XIV.

SPAIN. Memoria sobre la industria y legislación de Pesca que comprende desde el año 1870 al 1874, redactada . . . por . . . J. de Salas y . . . F. García Solá. pp. lxxi, 741, 2 tabs. 8°. Madrid, 1876.

SPAIN.—COMISIÓN DE INGENIEROS DE MINAS. [Maps.] Mapa Geológico de España . . . formado . . . bajo la dirección del Inspector . . . M. Fernandez de Castro. 1889-1893. Escalas de 1 : 1,500,000 [i.e. 1 in. = 23 $\frac{7}{8}$ m. about]. s.sh. col. Madrid [1894].

SPAIN.—COMISIÓN DE LA FLORA FORESTAL ESPAÑOLA. See infra, MINISTERIO DE FOMENTO.

SPAIN.—COMISIÓN DEL MAPA GEOLÓGICO DE ESPAÑA. See infra, INSTITUTO GEOLÓGICO DE ESPAÑA.

SPAIN.—COMISIÓN PERMANENTE DE PESCA. Anuario . . . Resumen de sus trabajos y noticias referentes á la Industria Pesquera, redactado . . . por . . . C. Fernandez. Año i & ii. 8°. Madrid, 1868-69.

Spain.—COMISIÓN PERMANENTE DE PESCA. Exploración científica de las costas del departamento marítimo del Ferrol, verificada de orden del Almirantazgo por el vocal de la Comisión . . . D. M. de la Paz Graells en el verano de 1869. pp. 540 : 16 pls. 8°. Madrid, 1870.

SPAIN.—INSTITUTO GEOLÓGICO DE ESPAÑA.

[1849 Founded as Comisión del Mapa Geológico de España.
1859 Junta General de Estadística de España.
1870 Comisión del Mapa Geológico de España, separated from the Junta, etc.
1873 Comisión del Mapa Geológico de España reorganized.
1910 Instituto Geológico de España.]

Boletín, &c. Tom. I—> 8°. Madrid, 1874—>

With Vol. II, VII, XI & XIV of the Boletín are published a series of plates, accompanied by text, "Sinopsis de las especies fósiles que se han encontrado en España, por L. Mallada (1875-92)," An index to Tom. I-XX is appended to Tom. XX. Tom. XXI—> are also styled "Segunda Serie, Tom. I—> (1894—>)."

Spain.—INSTITUTO GEOLÓGICO DE ESPAÑA. Memorias . . . Año de 1855. Parte Zoológica [Insecta], por D. M. de la Paz Graells. pp. 111 : 7 pls. (col.) 4°. Madrid, 1858.

Spain.—INSTITUTO GEOLÓGICO DE ESPAÑA. Ensayo de descripción geognóstica de la provincia de Teruel en sus relaciones con la Agricultura de la misma, por D. J. Vilanova y Piera. pp. 312 : 10 pls., 1 map geol. col. fol. Madrid, 1863.
The map is dated 1868.

Spain.—INSTITUTO GEOLÓGICO DE ESPAÑA. Descripción física y geológica de la provincia de Madrid, por D. C. de Prado. pp. xvi, 219 : 4 pls., text illust. 4°. Madrid, 1864.

Spain.—INSTITUTO GEOLÓGICO DE ESPAÑA. Descripción física y geológica de la provincia de Santander, por D. A. Maestre. pp. 120 [?] : 1 map geol. col., text illust. fol. Madrid, 1864.
The map is dated 1862.

Spain.—INSTITUTO GEOLÓGICO DE ESPAÑA. [Memorias. I.] Bosquejo de una descripción física y geológica de la provincia de Zaragoza, por D. F. M. Donayre. pp. 128 : 4 pls., 1 map col., 8°. Madrid, 1873.
The wrapper is dated 1874.

Spain.—INSTITUTO GEOLÓGICO DE ESPAÑA. [Memorias. II.] Trabajos geodésicos y topográficos practicados por la comisión de estudio de las cuencas Carboníferas de Asturias [by E. Cifuentes], &c. pp. 143 : 3 plans. 8°. Madrid, 1874.
One of the plans is dated 1873.

Spain.—INSTITUTO GEOLÓGICO DE ESPAÑA. [Memorias. III.] Descripción física, geológica y agro-lógica de la provincia de Cuenca, por D. de Cortázar. pp. xvi, 406 : 3 pls. (1 col.), 1 map geol. col., text illust. 8°. Madrid, 1875.

Spain.—INSTITUTO GEOLÓGICO DE ESPAÑA. [Memorias. V.] Descripción física, geológica y agro-lógica de la provincia de Valladolid, por D. de Cortázar. pp. 211 [?] : 3 pls., 1 map geol. col., text illust. 8°. Madrid, 1877.

Spain.—INSTITUTO GEOLÓGICO DE ESPAÑA. [Memorias. VI.] Descripción física y geológica de la provincia de Huesca, por L. Mallada. pp. xv, 439 : 1 pl. col., 1 map geol. col., text illust. 8°. Madrid, 1878.

Spain.—INSTITUTO GEOLÓGICO DE ESPAÑA. [Memorias. VII.] Descripción física y geológica de la provincia de Ávila, por D. F. M. Donayre. pp. 297 [?] : 5 pls., 1 map geol. col., text illust. 8°. Madrid, 1879.

Spain.—INSTITUTO GEOLÓGICO DE ESPAÑA. [Memorias. VIII.] Descripción física, geológica y minera de la provincia de Salamanca, por A. Gil y Maestre. pp. xv, 299 [?] : 1 pl., 1 map geol. col. 8°. Madrid, 1880.

Spain.—INSTITUTO GEOLÓGICO DE ESPAÑA. [Memorias. IX.] Descripción física, geológica y minera de la provincia de Barcelona, por D. J. Maureta y D. S. Thós y Codina. pp. 487 : 6 pls. (col.), 6 maps (col.), text illust. 8°. Madrid, 1881.

Spain.—INSTITUTO GEOLÓGICO DE ESPAÑA. [Memorias. X.] Descripción física, geológica y agro-lógica de la provincia de Valencia, por D. de Cortázar . . . y M. Pato. pp. xi, 417 : 1 pl. col., 1 map geol. col., text illust. 8°. Madrid, 1882.

Spain.—INSTITUTO GEOLÓGICO DE ESPAÑA. [Memorias. XI.] Descripción física y geológica de la provincia de Zamora, por D. G. Puig y Larraz. pp. 488 : 1 pl., 1 map geol. col., text illust. 8°. Madrid, 1883.

Spain.—INSTITUTO GEOLÓGICO DE ESPAÑA. [Memorias. XII.] Descripción física y geológica de la provincia de Guipúzcoa, por D. R. Adán de Yarzua. pp. 175 : 8 pls. (7 col.), 1 map geol. col., text illust. 8°. Madrid, 1884.

Spain.—INSTITUTO GEOLÓGICO DE ESPAÑA. [Memorias. XIII.] Descripción física y geológica de la provincia de Álava, por D. R. Adán de Yarzua. pp. 175 [?] : 2 pls. col., 1 map col., text illust. 8°. Madrid, 1885.

Spain.—INSTITUTO GEOLÓGICO DE ESPAÑA. [Memorias. XIV.] Descripción física, geológica y minera de la provincia de Huelva, por D. J. Gonzalo y Tarín. 2 Tom. illust. 8°. Madrid, 1886-88.
The maps are dated respectively 1887 & 1889.

Spain.—INSTITUTO GEOLÓGICO DE ESPAÑA. [Memorias. XV.] Descripción física, geológica y agro-lógica de la provincia de Soria, por D. P. Palacios. pp. 558 [?] : 5 pls. (2 geol. col.), 1 map geol. col., text illust. 8°. Madrid, 1890.
The map is dated 1888.

Spain.—INSTITUTO GEOLÓGICO DE ESPAÑA. [Memorias. XVI?] Descripción física y geológica de la provincia de Vizcaya, por R. Adán de Yarzua [y Torre]. pp. 192 [?] : 6 pls. (2 geol. col.), 2 maps geol. col., text illust. 8°. Madrid, 1892.
One of the maps is dated 1891.

Spain.—INSTITUTO GEOLÓGICO DE ESPAÑA.

[*Memorias. XVII?*] Descripción física, geológica y minera de la provincia de Logroño, por D. R. Sánchez Lozano. pp. 348 [3] : 15 pls. (2 geol. col.), 2 maps (1 geol. col.), text illust. 8°. Madrid, 1894.

Spain.—INSTITUTO GEOLÓGICO DE ESPAÑA.

Comisión del Mapa Geológico de España. Su origen, vicisitudes y circunstancias actuales. [With Lists of Works and Fossils exhibited at the "Exposición de Minería en Madrid en 1883."] pp. 62. See supra, Boletín, &c. Tom. x. 8°. 1883.

Spain.—INSTITUTO GEOLÓGICO DE ESPAÑA.

Estado de los Trabajos de la Comisión del Mapa Geológico de España al terminar al año 1887. (— Índice de las publicaciones . . . durante los años 1873 á 1887 inclusive.) pp. 20. See supra, Boletín, &c. Tom. xiv. 4°. 1887.

With Tom. xiv of the Boletín was issued Sheet No. 28 (Madrid) of the "Mapa Geológico de España," 1 : 400,000, q.v. infra. [Maps.]

— los años 1873 á 1888 inclusive. pp. 23 : 1 map geol. col. 8°. Madrid, 1889.

The map is No. 29 (Madrid) of the "Mapa Geológico de España," 1 : 400,000.

Spain.—INSTITUTO GEOLÓGICO DE ESPAÑA.

Explicación del Mapa Geológico de España, por L. Malada. 6 Tom. illust. 8°. Madrid, 1895-1907.

Spain.—INSTITUTO GEOLÓGICO DE ESPAÑA. [Maps.]

Mapa Geológico de la provincia de Madrid . . . por D. C. de Prado. [Scale 1 in. = 3 m. about.] See MADRID. [Maps.] s.sh. col. 1864.

Spain.—INSTITUTO GEOLÓGICO DE ESPAÑA. [Maps.]

Mapa Topográfico de la provincia de Oviedo, por D. G. Schulz. 2ª edición, &c. Escala de 1 por 127,500 [i.e. 1 in. = 2 m. about]. 3 sh. See OVIEDO, Province of. 1878.

Spain.—INSTITUTO GEOLÓGICO DE ESPAÑA. [Maps.]

Mapa Geológico de España. Escala 1 : 400,000 [i.e. 1 in. = 6½ m. about]. Hoja No. 28 (Madrid). s.sh. col. Madrid, 1887.

This sheet of the map was issued in Tom. xiv of the Boletín.

Spain.—INSTITUTO GEOLÓGICO DE ESPAÑA. [Maps.]

Mapa Geológico estratigráfico de las montañas de la provincia de Palencia, trazado por D. C. de Prado, &c. [Scale 1 in. = 1½ m. about.] s.sh. col. Madrid, 1861.

SPAIN.—JUNTA GENERAL DE ESTADÍSTICA DE ESPAÑA. See supra, INSTITUTO GEOLÓGICO DE ESPAÑA.

SPAIN.—MINISTERIO DE FOMENTO.

[*Forest Flora Commission.*] Comisión de la Flora Forestal Española. Resumen de los trabajos verificados por la misma durante los años de 1867 y 1868 (1869 y 1870). [Prepared by M. Laguna y Villannueva.] 2 Vol. [in 1] illust. 4°. Madrid, 1870-72.

Spain.—MINISTERIO DE FOMENTO.

[*Forest Flora Commission.*] Flora Forestal Española, que comprende la descripción de los Árboles, Arbustos y Matas que se crían silvestres ó asilvestrados en España . . . escrita . . . por D. M. Laguna . . . con la colaboración . . . de D. P. de Ávila (y D. J. de Salinas, autor de las láminas). 2 Pt. & 2 Atlases, col. illust. 8°. & fol. Madrid, 1883-90.

Spain.—MINISTERIO DE FOMENTO.

[*Pacific Voyage Commission.*] Moluscos del viaje al Pacífico verificado de 1862 á 1865 por una Comisión de Naturalistas enviada por el gobierno Español. Parte primera : Univalvos terrestres. See HIDALGO (J. G.) 4°. 1869 [i.e. 1872].

— Parte segunda : Bivalvos marinos. See MARTINEZ Y SAEZ (F. DE P.) 4°. 1869 [i.e. 1870].

— Parte tercera : Univalvos marinos. See HIDALGO (J. G.) 4°. 1879.

Spain.—MINISTERIO DE FOMENTO.

[*Pacific Voyage Commission.*] Vertebrados del viaje al Pacífico verificado de 1862 á 1865 por una Comisión de Naturalistas enviada por el gobierno Español. Batracios. See JIMENEZ DE LA ESPADA (M.) 4°. 1875.

Spain.—MINISTERIO DE FOMENTO.

[*Pacific Voyage Commission.*] Artrópodos del viaje al Pacífico verificado de 1862 á 1865 por una Comisión de Naturalistas enviada por el gobierno Español. Insectos Neurópteros y Ortópteros. See BOLÍVAR Y URRUTIA (I.) 4°. 1884.

SPAIN. [Maps.] New map of Spain and Portugal : by E. Mentelle . . . and P. G. Chaulaire. [Scale 1 in. = 16½ m. about.] 9 sh. & index map. London, 1808.

Spain. [Maps.] España y Portugal [and the Canary Islands], por . . . F. Coello. Escala 1 : 1,000,000 [i.e. 1 in. = 15½ m. about]. s.sh. Madrid, 1862.

Spain. [Maps.] Mapa Geológico de España y Portugal, por . . . F. de Botella y de Hornos segun sus propias observaciones desde 1848 á 1879 . . . La parte geográfica por F. Coello. Escala de 1 : 2,000,000 [i.e. 1 in. = 31½ m. about]. s.sh. col. Madrid, 1879.

Spain. [Maps.] Mapa Geológico y Topográfico de la provincia de Barcelona . . . Detallada geología por . . . J. Almera . . . topografía por E. Brossa. Escala 1 : 40,000 [i.e. 1 m. = 1½ in. about]. 3 sh. col. Barcelona, 1897-1900.

Sheet 1 is of the second edition.

Spain. [Maps.] Producción, repartición de las Riquezas Minerales de España. Por G. Hyvert, &c. Escala 1 : 3,000,000 [i.e. 1 in. = 47½ m. about]. s.sh. col. Carcassonne, 1900.

Spain. [Maps.]

See also supra, COMISIÓN DE INGENIEROS DE MINAS. See also supra, INSTITUTO GEOLÓGICO DE ESPAÑA.

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iv. On the Geology of Crete.

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STIRLING NATURAL HISTORY AND ARCHEOLOGICAL SOCIETY.

[1878 Founded as Stirling Field Club.
1882 Stirling Natural History and Archaeological Society.]

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STOCKHOLM.—Biologiska Föreningen.

[Founded 1889.]

Biologiska Föreningens Förhandlingar. Verhandlungen des Biologischen Vereins, &c. Bd. I-IV.† 8^o. *Stockholm & Leipzig*, 1888-92.

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[For Proceedings, &c.] See BOTANISKA NOTISER, &c. 1885-96. 8^o. 1885-96.

After 1896 the accounts of the Society's proceedings were reduced to mere brief notices, but in 1907[†] fuller accounts appeared in the "Svensk Botanisk Tidskrift," for which See infra, SVENSKA BOTANISKA FÖRENINGEN.

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STOCKHOLM.—Kongliga Svenska Vetenskaps-Akademien.

[Founded 1759. The word 'Svenska' was omitted from the title during the years 1757-1854.]

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Vol. IV contains papers published for the bicentenary of Linnaeus.

Stockholm.—K. Svenska Vetensk.-Akademien.

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Af E. W. Dahlgren. pp. 116. 8°. Stockholm, 1884.

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In the number for 1821-2, which is a reprint dated 1825, each section was separately paged, and all except the Zoological portions are wanting. After the number for 1824-5 each section appeared as a separate work.

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Jahresbericht . . . über die Fortschritte der Naturgeschichte, Anatomie und Physiologie der Thiere [by J. W. Dalman] und Pflanzen [by J. E. Wikström]. Aus dem Schwedischen mit Zusätzen von . . . J. Müller. 1825. pp. 216. 8°. Bonn, 1828.

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Stockholm.—K. Svenska Vetensk.-Akademien.

Öfversigt af (de sednare årens) Botaniska Arbeten och Upptäckter . . . lemnad år 1821 (-25) af J. E. Wikström. 8°. Stockholm, 1822-26.

[Continued as:]

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Up to 1844 each number was first published in the Society's "Årsberättelser om Vetenskapernas Framsteg," &c.

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— Register . . . för åren 1820 till och med 1838, &c. 8°. Stockholm, 1852.

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Divided into separately-paged sections, each with its own title-page:—
Vertebrata, by C. J. Sundevall.
Insecta, by C. H. Boheman.
Crustacea, &c., by S. Lovén.

Later issues appeared under the sectional titles as distinct works.

Stockholm.—K. Svenska Vetensk.-Akademien.

Årsberättelse (Berättelse) om framstegen i Insekternas, Myriapodernas och Arachnidernas naturalhistoria för 1847 och 1848 (1849-56) af C. H. Boheman. 5 Vol. [in 2.] 8°. Stockholm, 1851-59.

Stockholm.—K. Svenska Vetensk.-Akademien.

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Wanting Jahrg. xxviii-xxxii, 1849-51.

— . . . Sach- und Namen-Register. 1-xxv. Jahrg. 8°. Tübingen, 1847.

Stockholm.—K. Svenska Vetensk.-Akademien.

Svensk Botanik utgifven af Kongl. Vetenskaps-Akademien, &c. Bd. ix-xi. See PALMSTRUCH (J. W.) 8°. 1823-43.

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[Palæontologia Scandinavica, &c. Pt. i, fasc. 1, 2, &c. See ANGELIN (N. P.) 4°. 1851, 54.]
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Kritisk ordbok öfver Svenska Växtnamnen af E. Fries. Utgifven af Svenska Akademien. pp. 177. SWED. & LAT. 8°. Stockholm, 1880.

Stockholm.—K. Svenska Vetensk.-Akademien.

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Stockholm.—K. Svenska Vetensk.-Akademien.

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Stockholm.—K. Svenska Vetensk.-Akademien.

Om Sveriges Zoologiska Hafsstation Kristineberg. See THÉEL (J. H.) 8°. 1895.

Stockholm.—K. Svenska Vetensk.-Akademien.

Skrifter af C. von Linné utgifna af Kungl. Svenska Vetenskapsakademien, &c. 4 Vol. See LINNÆUS (C.) [Works.] 8°. 1905-08.

Stockholm.—K. Svenska Vetensk.-Akademien.

C. von Linnés betydelse såsom naturforskare och läkare. Skildringer utgifna af Kungl. Svenska Vetenskapsakademien i anledning af tvåhundraårsdagen af Linnés födelse. 8°. Uppsala, 1907.

Contains:—

1. C. von Linné såsom Läkare och Medicinisk författare, af O. E. A. Hjelt. pp. [iv.] 244.
2. C. von Linné såsom Zoolog, af E. Lönnberg och C. Aurivillius. pp. 80.
3. C. von Linné såsom Botanist, af C. A. M. Lindman. pp. 116.
4. C. von Linné såsom Geolog, af A. G. Nathorst. pp. 80; 2 pls., text illust.
5. C. von Linné såsom Mineralog, af H. Sjögren. pp. 38; text illust.

Stockholm.—K. Svenska Vetensk.-Akademien.

Om utvecklingen af Sveriges Zoologiska Hafsstation Kristineberg och om djurlivet i angränsande haf och fjordar. Af H. Théel. pp. 136: 5 pls., 3 maps, text illust. See supra, Arkiv för Zoologi, &c. Bd. iv, no. 5. 8^o. 1908.

Stockholm.—K. Svenska Vetensk.-Akademien.

Wissenschaftliche Ergebnisse der Schwedischen Zoologischen Expedition nach dem Kilimandjaro, dem Meru und den umgebenden Massaiten Deutsch-Ostafrikas, 1905–1906, unter Leitung von... Y. Sjöstedt. Herausgegeben... von der Königl. Schwedischen Akademie der Wissenschaften. 3 Bd. illust. See Sjöstedt (B. Y.) 4^o. 1910.

STOCKHOLM.—Kongliga Svenska Vetenskaps-Akademien.—Nobel Institut.

Les Prix Nobel en 1901 (1902→) 8^o. Stockholm, 1904→
Contains biographical notices, with portraits, of the recipients of the awards, and their theses, each separately paged.

Stockholm.—Kongliga Svenska Vetenskaps-Akademien.—Nobel Institut.

Meddelanden, &c. Bd. I→
8^o. Uppsala & Stockholm, 1905→

STOCKHOLM.—Kongliga Vetenskaps-Akademien.

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Stoliczka (F.) Scientific results of the Second Yarkand Mission; based upon the collections and notes of . . . F. Stoliczka, &c. 14 Pt. *See* INDIA. [Second Yarkand Mission.] fol. 1878-91.

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STOLL (CASPAR) [-1795] De uitlandsche Kapellen, &c.—Papillons exotiques des trois parties du monde, &c. [Vol. III, p. 105 to the end of the work, edited from Cramer's remaining MS. and continued by C. Stoll.] (Proeve van eene Rangschikkinge der dons vleugelige Insecten, Lepidoptera, &c.—Essai d'un ordre systématique des Insectes à ailes farineuses. Lepidoptera . . . Par C. Stoll.) 4 Deel *illustr. col.* *See* CRAMER (P.) 4^o. [1775-] 1779-82.

Aanhangsel van het werk, de uitlandsche Kapellen, &c.—Supplément à l'ouvrage, intitulé les Papillons exotiques, des trois parties du monde, l'Asie, l'Afrique et l'Amérique; par . . . P. Cramer, contenant les figures exactes des Chenilles et des Chrysalides de Suriname; comme celles des plusieurs rares et nouvellement découvertes Papillons et Phalènes. *pp.* viii, 181: 42 pls. *col.* 4^o. Amsterdam, [1787-] 1791.

Dutch and French in parallel columns.
Judging by the copy in the library of the Hon. L. W. Rothschild, pp. 1-42 were issued in 1787, the remainder in 1790. The date on the title-page may be disregarded. *See* KIRBY. Entom. Mo. Mag. Vol. XIV, 1878, p. 279.

Stoll (C.) Natuurlyke en naar 't leeven nauwkeurig gekleurde afbeeldingen en beschryvingen der Cicaden, in alle vier waerelds deelen . . . huishoudende, &c.—Représentation . . . des Cigales qui se trouvent dans les quatre parties du monde, &c. *pp.* 124: 29 pls. *col.*, *col. engr. title.* 4^o. Amsterdam, 1788.

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[Vol. I.] Spoken & Wandelende Bladen. *pp.* 79: 25 pls. *col.*, *col. engr. title.*
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[" " 3.] Krekels. *pp.* 8: 4 pls. *col.*
[" " 4.] Kakkerlakken [with index to Vol. II]. *pp.* 14: 5 pls. *col.*
Spoken, *pp.* 1-56, pls. i-xviii; Zabelspringhanen, *pp.* 1-16, pls. i-vi, and probably Trekspringhanen, *pp.* 1-16, pls. i-vi, were issued by Stoll in 1788; the remainder, by Houttuyn, appearing in 1813.

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STOLLER (JAMES H.) On the Organs of Respiration of the Oniscidae. *pp.* 31: 2 pls. *See* ZOOLOGICA, &c. Bd. x, hft. 25. 8^o. 1899.

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STUR (DIONYS RUDOLF JOSEF) [1827-1893] Geologie der Steiermark. Erläuterungen zur geologischen Uebersichtskarte des Herzogthumes Steiermark, Graz, 1865, &c. pp. xxxi, 654, 1 tab.: 2 pls., text illust. 8^o. Graz, 1871.

Stur (D. R. J.) Beiträge zur Kenntniss der Flora der Vorwelt. 2 Bd. See AUSTRIA-HUNGARY. — KAISERLICH-KOENIGLICHE GEOLOGISCHE REICHSANSTALT. Abhandlungen, &c. Bd. VIII & XI. 4^o. 1875-87.

- Bd. I. Die Culm-Flora. pp. xiv (iv), 472: 46 pls. (2 col.), 1 map, text illust.
- Hft. 1. Die Culm-Flora des Mährisch-Schlesischen Dachschiefers. 1875.
- " 2. Die Culm-Flora der Ostrauer und Waldenburger Schichten. 1877.
- " II. Die Carbon-Flora der Schatzlarer Schichten. Abth. 1. Die Farn- der Carbon-Flora der Schatzlarer Schichten. pp. 418: 49 pls., text illust. 1885.
- " 2. Die Calamarien der Carbon-Flora der Schatzlarer Schichten. pp. 240: 26 pls., text illust. 1887.

Stur (D. R. J.) Beitrag zur Kenntniss der Flora des Kalktuffes und der Kalktuff-Breccie von Hötting bei Innsbruck. See AUSTRIA-HUNGARY. — KAISERLICH-KOENIGLICHE GEOLOGISCHE REICHSANSTALT. Abhandlungen, &c. Bd. XII, no. 2. 4^o. 1886.

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Stur (D. R. J.) & **Zugmayer** (H.) Die Excursion nach dem Piestingthale und der Neuen Welt. See HAUER (F. R. VON) & NEUMAYR (M.) Führer zu den Excursionen der Deutschen Geologischen Gesellschaft, &c. IV. 8^o. 1877.

STURANY (RUDOLF) Die Coxaldrüsen der Arachnoideen. pp. 22: 2 pls. See VIENNA. — KAISERLICH-KOENIGLICHE UNIVERSITÄT. Arbeiten aus dem Zoologischen Institut, &c. Tom. IX, hft. 2. 8^o. 1891.

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STURLER (W. L. DE) Handboek voor den Landbouw in Nederlandsch Oost-Indië. Overzicht van de kweeking en behandeling der voornaamste voortbrengselen uit het Plantenrijk in de Keerkringslanden. (Naar aanleiding van G. R. Porter's Tropical Agriculturist.) pp. xiv, 1176: 1 pl., text illust. 8^o. Leiden, 1863.

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STURM (FR.) J. A. Naumann's Naturgeschichte der Vögel Deutschlands. Fortsetzung der Nachträge... von... F. Sturm, &c. See NAUMANN (J. A.) 8^o. 1860.

STURM (JACOB) [1771-1848] Insecten-Cabinet nach der Natur gezeichnet und gestochen. 4 Stük. 12^o. Nürnberg, 1791-92.

Title from cover. Each Stück contains 25 copper-plate engravings (5 x 4 inches) coloured by hand.

Sturm (JACOB) Verzeichniss meiner Insecten-Sammlung, &c. pp. 64: 4 pls. col. 12^o. Nürnberg, 1796.
Printed in double column.

Absth. 1. Alphabetisches Verzeichniss meiner Insecten Sammlung.
2. Beschreibungen nebst Abbildungen einiger Insecten aus meiner Sammlung.

— [Another edition of Abschnitt 1.] pp. 16.
12^o. (Nürnberg,) 1798.

Sturm (JACOB) Deutschlands Fauna in Abbildungen nach der Natur, mit Beschreibungen. (Fortgesetzt [Abth. v, hft. 20-23] von J. H. C. F. Sturm.) 4 Abth.
8^o. Nürnberg, 1797-1857.

- Abth.
II. Die Vögel. Bearbeitet von J. H. C. F. und J. W. Sturm.
Hft. 1-5. 18 pls. col., with descriptive letterpress. 1829-34.
Wanting Pt. 1.
[Hft. 2. *Parus* & *Columba* is by C. Michabellus.
3. *Falco*, *Pyrrhocorax* & *Sterna*, by J. G. Wagler.]
III. Die Amphibien. Hft. 1-6. col. illust. 1797-1828.
[Hft. 2-4 by J. Wolf, including *Coluber prester*, *C. chersia*, *C. tessellatus* [sic] & *Lacerta montana* by J. C. Mikán.
Introduction and Hft. 5 & 6 by L. C. Koch.]
V. Die Insecten. 13 Bd. [in 6.] Atlas, 12 pls. col. [in 2 Vol.] 1805-57.
[Each Bd. has a separate title, which reads "Deutschlands Insecten . . . Käfer."
Bd. xvii, "Trichopterygia . . . Von C. J. F. Gillmeister, 1845," was also issued independently.]
VI. Die Würmer. 8 Hft. illust. 1805-29.
[The "Vorerinnerung" is signed by J. Wolf, and Hft. 1 was issued in collaboration with him.
Hft. 3 & 4, by J. W. Voith, have each a title which reads: "Systematische Eintheilung der Land- und Fluss-Weichthiere nach ihren wesentlichen Kennzeichen vorzüglich von der Schale. (Aus Histoire naturelle des Mollusques terrestres et fluviatiles [sic] de la France. Par J. P. R. Draparnaud.)"
Hft. 5-8, by J. D. W. Hartmann von Hartmannsruith, have a covering title, which reads: "System der Erd- und Süsswasser-Gasteropoden Europa's. In besonderer Hinsicht auf diejenigen Gattungen, welche in Deutschland und der Schweiz angetroffen werden."]

Sturm (JACOB) Deutschlands Flora in Abbildungen nach der Natur, mit Beschreibungen. (Herausgegeben) Von J. Sturm. (Fortgesetzt [Abth. I, hft. 93-96 & Abth. III, hft. 31-36] von J. W. Sturm.) 31 Bdchn. [in 27.] 12^o. Nürnberg, (1797-) 1801-62.

- Abth. I, hft. 1 is of the second edition.
Abth.
I. [Phanerogamia.] 20 Bdchn. [in 16.]
Several of the genera are separately treated by different authors, and have distinct title-pages as follows:—
Trifolium. "Die Kleearten Deutschlands . . . mit Beschreibungen von . . . Von Schreiber . . . Prof. Hoppe und dem Herausgeber." Hft. 15, 16. 1804.
Vicia & *Ervum*. "Die Wicken Deutschlands . . . mit Beschreibungen von D. H. Hoppe." Hft. 31, 32. 1811.
Saxifraga. By Count C. Sternberg. Hft. 33 & 35. 1812-13.
Myosotis, *Heliospermum*, &c. "Die Vergissmännichtarten . . . beschrieben von H. G. L. Reichenbach." Hft. 42, 43. 1822-23.
Carex. "Caricologia Germanica, oder Beschreibungen und Abbildungen aller in Deutschland wildwachsenden Seggen . . . von D. H. Hoppe und J. Sturm." Hft. 47, 50, 55, 58, 57, 61, 60. 1827-35.
Cyperaceae & *Juncaceae*. [By D. H. Hoppe.] Hft. 9, 10, 13, 28, 30-40, 44, 52, 71, 77, 78, 85, 86. 1801-40.
Draba. [By D. H. Hoppe.] Hft. 60 & 65. 1832, 84.
Hft. 63, 64, 66-68, 70, 72-76, 79-84, 87-92. [By W. D. J. Koch.] 1833-46.
"Übersicht der in J. Sturm's . . . Flora, I. Abtheilung, Hft. 1-75, enthaltenen phanerogamischen Pflanzen Nach [W. D. J.] Koch's Synopsis Florae Germanicae et Helveticae systematisch geordnet." &c. Hft. 76. 1839.
Hft. 93-96. [By J. W. Sturm.] 1849-55.
II. Cryptogamia. 5 Bdchn. 1799-1805.
Hft. 3, 4, 6-8. [By D. H. Hoppe.] 1799-1805.
"9-11. [By O. G. Blüthgen.] 1809-10.
"11-14. [By J. G. W. Voith.] 1810-13.
"15, 16. [By G. F. Kaulfuss.] 1815-18.
"17. [By H. C. Funck.] 1819.
"18, 21, 25. [By A. C. J. Corda.] 1829-33.
Jungfermannia. "Deutschlands Jungfermannien, monographisch bearbeitet von A. C. J. Corda." Hft. 19, 20, 22, 23, 26, 27. 1830-35.
Lichenes. "Die Flechten, bearbeitet von Dr. Laurer." Hft. 24, 25, 29. 1832-35.
Algae. "Deutschlands Algen. Bearbeitet von A. C. J. Corda." Hft. 30 & 31. 1839.
III. Die Pilze Deutschlands. 6 Bdchn. 1813-17.
Hft. 1-4. Bearbeitet von L. P. F. Pitmar. 1813-17.
"5, 10, 16-18, 21-24, 27 & 28. Bearbeitet von F. W. T. Roßkovius. 1828-48.
"6-9, 11-15, 19, 20. Bearbeitet von A. [C.] J. Corda. 1828-41.
"25, 26, 29, 30, 35, 36. Bearbeitet von C. G. Freuss. 1848-62.
"31, 32. Bearbeitet von A. Schnitzlein. 1851.
"33, 34. Bearbeitet von F. von Strauss. 1853.

Sturm (JACOB) Verzeichniss meiner Insecten-Sammlung, oder Entomologisches Handbuch, &c. Hft. 1.† pp. xvi, 112 [4]: 4 pls. col. 8^o. Nürnberg, 1800.
Quite a distinct publication from those of 1796 and 1798.

Sturm (JACOB) Flore Germanique . . . Enrichie des figures coloriées de la Flore Germanique de J. Sturm, &c. See DELAVIGNE (G. F.) 12^o. 1801-02.

Sturm (JACOB) Abbildungen zu K. Illiger's Uebersetzung von Olivier's Entomologie . . . Käfer. [With descriptive text.] 2 Thl. [in 3.] 4^o. Nürnberg, 1802-03.

Sturm (JACOB) Verzeichniss einiger zum Tausch vorrätiger Insecten. [pp. 8.] 8^o. Nürnberg, 1804.
Printed in treble column.

Sturm (JACOB) Catalog meiner Insecten-Sammlung. (Verzeichniss der . . . vorrätigen Insecten.) Thl. 1.† Käfer. pp. viii, 207 (16): 4 pls. col. 8^o. Nürnberg, 1826.

Sturm (JACOB) Catalog der Käfer-Sammlung von J. Sturm. pp. xii, 386: 6 pls. col. 4^o. Nürnberg, 1843.
Printed in double column.

Sturm (JACOB) & Hoppe (D. H.) Caricologia Germanica, oder Beschreibungen und Abbildungen aller in Deutschland wild wachsenden Seggen, &c. See STURM (J.) Deutschlands Flora, &c. Abth. I, hft. 47, 50, 53, 55, 57, 61, 69. 12^o. 1827-35.

Sturm (JACOB) & others. Die Kleearten Deutschlands, &c. See STURM (J.) Deutschlands Flora, &c. Abth. I, hft. 15, 16. 12^o. 1804.

Sturm (JACOB) & others. Bryologia Germanica . . . von . . . C. G. Nees von Esenbeck . . . und J. Sturm, &c. See NEES VON ESENBECK (C. G. D.) & others. 8^o. 1823.

STURM (JOANNES GUILIELMUS)
See STURM (JOHANN W.)

STURM (JOHANN HEINRICH CHRISTIAN FRIEDRICH) [1805-1862] Deutschlands Fauna . . . Fortgesetzt von J. H. C. F. Sturm. Abth. v, hft. 20-23. See STURM (JACOB). 12^o. 1847-57.

Sturm (JOHANN H. C. F.) & (J. W.) Deutschlands Fauna . . . II. Abtheilung. Die Vögel. Hft. 1-3. See STURM (JACOB). 8^o. 1829-34.

STURM (JOHANN WILHELM) [1808-1865.] Deutschlands Flora . . . Fortgesetzt von J. W. Sturm. Abth. I, hft. 93-96, & Abth. III, hft. 31-36. See STURM (JACOB). 12^o. 1849-62.

Sturm (JOHANN W.) Ophioglossae, Marattiaceae, Osmundaceae, Schizaeaceae, Gleicheniaceae, Hymenophylleae. See MARTIUS (C. F. P. VON) Flora Brasiliensis, &c. Vol. I, pt. 2. fol. 1859.

Sturm (JOHANN W.) Enumeratio Plantarum Vascularum Cryptogamicarum Chilensium. Ein Beitrag zur Farn-Flora Chile's. pp. 52. 8^o. Nürnberg, 1858.
Abhandl. Naturh. Gesell. Nürnberg. Hft. II.

Sturm (JOHANN W.) & Schnitzlein (A. C. F. H. C.) Verzeichniss der phanerogamen und gefässkryptogamen Pflanzen in der Umgegend von Nürnberg und Erlangen . . . Zweite . . . Auflage. pp. xii, 137 [2]. 8^o. Nürnberg, 1860.
The first edition appeared in 1847.

Sturm (JOHANN W.) & Sturm (JOHANN H. C. F.) Deutschlands Fauna . . . II. Abtheilung. Die Vögel. Hft. 1-3. See STURM (JACOB). 8^o. 1829-34.

STURT (CHARLES) [1795-1869] [Two expeditions into the interior of Southern Australia, during . . . 1828-31: with observations on the soil, climate, and general resources of the colony of New South Wales.

8°. London, 1833.]

Wanting.

— Second edition. 2 Vol. *illust.* 8°. London, 1834.

Vol. I. Appendix IV. List of Geological Specimens, collected . . . during the first expedition.

„ II. Appendix I. Geological Specimens found to the south-west of Port Jackson.

Sturt (C.) Narrative of an expedition into central Australia . . . during . . . 1844-6. Together with a notice of the Province of South Australia in 1847 [and a short account of Mr. Kennedy's survey of the River Victoria]. 2 Vol. *illust.*, & *map.* 8°. London, 1849.

The Appendix to Vol. II contains the Natural History: the Botanical portion is by R. Brown.

Sturt (C.) Botanical Appendix to . . . Sturt's Expedition into Central Australia. See BROWN (R.) of the *British Museum.* 8°. [1849.]

STUTCHBURY (SAMUEL) [1797-1859] Observations on a few of the most remarkable Shells collected by . . . S. Stutchbury on the coast of some of the Islands of the Australasian and Polynesian groups, together with descriptions of a few new species. See SOWERBY (G. B.) *1st of the name.* 8°. [1829?]

Issued as an appendix to a sale catalogue of Polynesian Shells, of which catalogue no trace can now be found.

STUTTGART. Flora Stuttgardiensis. Oder Verzeichnis der um Stuttgart wildwachsenden Pflanzen [by J. S. Kerner]. pp. [iv.] 402. 8°. Stuttgart, 1786.

STUTTGART.—*Internationaler Phytopathologischer Dienst.*

Zeitschrift zur Pflege der internationalen Entwicklung des Pflanzenschutzes. Herausgegeben von . . . P. Sorauer. Jahrg. I, stück 1-4† pp. 124: 3 pls. (1 col.), text *illust.* 8°. Stuttgart, 1908.

Issued as a supplement to Bd. XVIII (1908) of the "Zeitschrift für Pflanzenkrankheiten," &c. [q.v.]

STUTTGART.—*Centralkommission fuer wissenschaftliche Landeskunde von Deutschland.* Forschungen zur Deutschen Landes- und Volkskunde . . . herausgegeben von R. Lehmann ([and afterwards] A. Kirchhoff). Bd. I-XVI. 8°. Stuttgart, 1885-1907.

Each part contains a separately-paged paper.

STUTTGART.—*Koenigliches Naturalien-Kabinett.* [Founded c. 1650.]

Mittheilungen, &c. No. 1-→ 8°. & 4°. Stuttgart, 1896-→

Reprints, with original pagination, from various scientific publications.

Stuttgart.—*Koenigliches Naturalien-Kabinett.* Ueber einige neue und seltene Fisch-Arten aus den K. K. Zoologischen Museen zu Wien, Stuttgart, &c. See STEINDACHNER (F.) 4°. 1879.

Stuttgart.—*Koenigliches Naturalien-Kabinett.* Führer . . . I. Die geognostische Sammlung Württembergs im Parterre-Saal . . . Zweite Auflage. pp. 84: 8 pls., text *illust.* 8°. Stuttgart, 1906.

Stuttgart.—*Koenigliches Naturalien-Kabinett.* Ueber *Mus sylvaticus*, L., *Mus wagneri*, Eversm., und *Mus minutus*, Pall., in den Museen zu Helsingfors und Stuttgart. Von . . . M. Hilzheimer. pp. 19. See Helsingfors. — SOCIETAS PRO FAUNA ET FLORA FENNICA. Acta, &c. Vol. XXXIV, no. 10. 8°. 1911 (1912).

STUTTGART.—*Oberrheinischer Geologischer Verein.* [Founded 1871.]

Bericht über die . . . Versammlung, &c. xv-→ 8°. Stuttgart [1882-→].

STUTTGART.—*Verein für vaterländische Naturkunde in Württemberg.* [Founded 1844.]

Jahreshefte, &c. Jahrg. 1-→ 8°. & 4°. Stuttgart, 1845, &c.

From 1845 to 1875 the wrapper bore the alternative title "Württembergische naturwissenschaftliche Jahreshefte," &c. The plates to Jahrg. VIII, hft. 3; x, hft. 2; XVIII, hft. 2 & 3; and the 3rd Hft. of Jahrg. XXII are in 4° size. There is a general index to Jahrg. I-XX at the end of the 20th, and one to Jahrg. I-XXXIX at the end of the 39th Jahrg.

Separate supplements were issued with Jahrg. LVIII-→

STUTTGART.—*Wuerttembergischer Naturhistorischer Reiseverein.*

Schriften, &c. Thl. I† pp. x, 215. 8°. Stuttgart, 1834.

Contains:—W. Schimper's Reise nach Algier in . . . 1831 und 1832, &c.

STUTZ (ULRICH) [1826-1895] Ueber die Lägern. Ein Beitrag zur Geologie des Kantons Zürich. [By U. Stutz.] pp. 37: 2 pls., 1 *map.* See ZÜRICH.—NATURFORSCHENDE GESELLSCHAFT. An die Zürcherische Jugend, &c. Stück LXVI. 4°. 1864.

STUTZER (OTTO) [1881-] Die wichtigsten Lagerstätten der "Nicht-Erze" . . . Erster Teil: Graphit, Diamant, Schwefel, Phosphat. pp. xv, 474: text *illust.* 8°. Berlin, 1911.

STUXBERG (ANTON JULIUS) [1849-1902] Karcinologische Iakttagelser. pp. 23: 1 pl. 8°. Stockholm, 1874.

Öfvers. k. Svensk. Vet. Akad. Förhandl. 1875.

Stuxberg (A. J.) A List of North American Lithobiidae. [pp. 4.] 8°. Upsala, 1875.

Stuxberg (A. J.) Erinnringar från Svenska Expeditionerna till Novaja Semlja och Jenissej, 1875 och 1876. pp. 112: 1 *map.* 8°. Stockholm, 1877.

Stuxberg (A. J.) Evertebratfaunan i Sibiriens ishaf, &c. pp. 76: 1 *map.* See STOCKHOLM.—KONGLIGA SVENSKA VETENSKAPS-AKADEMIEN. Bihang till . . . Handlingar. Bd. v, no. 22. 8°. 1880.

Stuxberg (A. J.) Evertebratfaunan i Sibiriens ishaf. See NORDENSKIÖLD (N. A. E. von) Vega-Expeditionens vetenskapliga Iakttagelser, &c. Bd. I. 8°. 1882.

Stuxberg (A. J.) Faunan på och kring Novaja Semlja. See NORDENSKIÖLD (N. A. E. von) Vega-Expeditionens vetenskapliga Iakttagelser, &c. Bd. v. 8°. 1887.

Stuxberg (A. J.) Myriopoden aus der Krim und dem Kaukasus von . . . A. Stuxberg gesammelt, &c. pp. 16: 2 pls. See STOCKHOLM.—KONGLIGA SVENSKA VETENSKAPS-AKADEMIEN. Arkiv för Zoologi, &c. Bd. III, no. 25. 8°. 1907.

Meddelande från Göteborgs Museums Zoologiska Afdelning.

Stuxberg (A. J.) & Eisen (A. G.) Gotlands Fanerogamer och Thallogamer, &c. See EISEN (A. G.) & STUXBERG (A. J.) 8°. 1869.

STYRIA. [Maps.] Geologische Karte der Umgebungen von Leoben und Judenburg. Bearbeitet von A. v. Morlot. Maassstab 1:144,000 [i.e. 1 in. = 2½ m. about]. s.sh. col. [Vienna,] 1848.

SUBALPINO, II. Giornale di Scienze, Lettere ed Arti. Vol. I & II; Ann. II, vol. I & II; Ann. III, vol. I & II. 8°. Torino, [1836-] 1837-38.

[Continued as:]

— Rivista Italiana. Serie seconda, vol. I & II† 8°. Torino, 1839.

SUBBA RAO (C. K.) & Benson (C.) The Great Millet or Sorghum in Madras. 8°. Madras, 1906.

Dept. Land Records & Agric., Madras. Agric. Branch. Vol. III (Bull. No. 55). pp. 53-122.

SUBER (THEODOR. ISAC.) *Conspectus Vegetationis Lapponiæ* . . . p. p. N. J. Anderson & T. I. Suber, &c. See ANDERSSON (N. J.) 8°. 1846.

SUBSTITUTE, The; or Entomological Exchange Facilitator, and Entomologist's fireside companion, for 1856-57. No. 1-20.† 12°. London, [1856-] 1857.

Printed in double column.

Issued as a substitute for the "Entomologist's Weekly Intelligencer" during the period when that work suspended publication.

SUB-WEALDEN EXPLORATION. The Sub-Wealden exploration. [By W. B. Dawkins.] pp. 18. 8°. Brighton, 1872.

Reprinted from the "Brighton Daily News."

SUCCOW. See SUCKOW.

SUCHETET (ANDRÉ) [1849-] *Histoire du Bimaculatus Duck de Pennant, confondu longtemps avec l'Anas glocitans de Pallas, et notes sur plusieurs autres oiseaux du même genre.* pp. v, 48 : 4 pls. (2 col.) 8°. Lille, 1894.

SUCKLEY (GEORGE) [1830-] [Reports on Mammals, Water Birds and Fishes.] See UNITED STATES.—*Pacific Railroad Survey.* Reports, &c. Vol. I, Suppt. pt. 3. 4°. 1859.

— [Another issue.] See UNITED STATES.—*Pacific Railroad Survey.* Reports, &c. Vol. XII, pt. 3. 4°. 1860.

— [Another issue.] See SUCKLEY (G.) & COOPER (J. G.) *The Natural History of Washington Territory and Oregon.* &c. 4°. 1860.

The first 100 copies of this issue appeared in 1859.

Suckley (G.) & Cooper (J. G.) *The Natural History of Washington Territory and Oregon, with much relating to Minnesota, Nebraska, Kansas, Utah, and California, between the thirty-sixth and forty-ninth parallels of latitude . . . with full catalogues and descriptions of the Plants and Animals collected from 1853-60 . . . This edition contains a new Preface . . . a classified Table of Contents [some additional Plates] and the latest additions and corrections by the authors.* 2 Pt. [in 1 Vol.] illust. 4°. New York, &c., [1859-] 1860.

Contains:

Preface, &c. pp. xvii.

Pt. II. Botanical Report. pp. 73 : 6 pls. 1859.

1. Botany. By J. G. Cooper.

2. Catalogue of the Plants collected east of the Rocky Mountains. By A. Gray.

3. Catalogue of Plants collected in Washington Territory. By J. G. Cooper.

„ III. Zoological Report. pp. viii, 399 & 72 a-d : 54 pls. (col.) 1859.

1. Insects. By J. T. [i.e. J. L.] Leconte.

2. Mammals. By J. G. Cooper, G. Suckley and G. Gibbs.

3. I. Land Birds. By J. G. Cooper.

„ II. Water Birds. By G. Suckley.

4. Reptiles. By J. G. Cooper.

5. Fishes. By G. Suckley.

6. Mollusca. By W. Cooper.

7. Crustacea. By J. G. Cooper.

This work (printed in 1857) first appeared in 1859 as a supplement to Vol. I of the "Reports" of the "Pacific Railroad Survey" [q.v. under UNITED STATES]. In 1860 it formed "Book 2" of Vol. XII of a re-issue of the same Survey.

Pp. 72 a-d are an addition to Leconte's portion, reprinted from the "Proc. Acad. Nat. Sci. Philad." for 1859.

It appears to have been first published as a separate work in 1859, under the title "Reports on the Natural History, Climate and Physical Geography of Minnesota, Nebraska, Washington and Oregon Territories," &c. [Fide Amer. Journ. Sci. Ser. II, vol. xxx, 1860, p. 138.]

An edition of 100 copies, including the chapter on the Meteorology, and with the "New Preface," was also issued in 1859 under the title:—"The Natural History of Washington Territory, with much relating to Minnesota, Nebraska," &c. [Brit. Mus. Cat. and Preface to the 1860 edition, from which the Meteorology has been omitted.]

Suckley (G.) & Gibbs (G.) *Report upon . . . Mammals.* See UNITED STATES.—*Pacific Railroad Survey.* Reports, &c. Vol. I, suppt. pt. 3. 4°. 1859.

— [Another edition.] Vol. XII, pt. 3. 4°. 1860.

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Vol. II, Appendix, contains, *inter alia* :—

Botany.

Plants... named by Sir W. J. Hooker.

Notes on the Algae, by Dr. Dickie.

Zoology.

Gasteropoda.—Couchifera.

Cephalopoda. [By E. Forbes and J. [i.e. T.] H. Huxley.]

Crustacea.—Entomostraca [with descriptions of *Cotichilus arcticus*

and *Alauna uncinata* (n. spp.) by W. Baird].

—Decapoda, &c. [List by A. Adams.]

— and Insecta, described by A. White.]

Ascidians and Echinoderms. Remarks upon some specimens... by

T. H. Huxley.

Notes on... Echinodermata... by E. Forbes.

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4°. Stockholm (& Uppsala), 1857–1910.

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1. Om Galapagos-Öarnes Vegetation; af N. J. Andersson. pp. 1–36: *pls.* i, iii, iv, vi, vii &c. Pt. 1, 1857.
- II. Enumeratio Plantarum in Insulis Galapagensibus hucusque observatarum. (By N. J. Andersson.) pp. 35–114: *pls.* ii, v, viii, x–xvi. „ 11, 1861.
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- Hymenoptera. Species novas descripsit A. E. Holmgren. pp. 391–442: 1 *pl.* „ 12, 1869.
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- [Pp. 33 & 34 have been reprinted and pp. 35 & 36 added.] „ 16, 1910.

III. Annulater [by J. G. H. Kinberg]. pp. 1–8:

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These latter pages, 33–78, with plates ix–xxix, were published after Kinberg's death, edited by J. H. Théel, See p. 77.

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8°. Stockholm, 1899–1907.

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2. Ueber die posttertiären Ablagerungen der Magallanländer, nebst einer kurzen Uebersicht ihrer tertiären Gebilde. Von O. Nordenskjöld.
3. Explanatory Notes to accompany the Geological Map of the Magellan Territories . . . By O. Nordenskjöld.
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- 4*. Ueber die tertiäre Flora der Magallanländer. Von P. Dusen. II.
- [Pagged in after Hft. 6.]
5. Zur Osteologie der Ona- und Yahgan-Indianer des Feuerlandes. Von J. V. Hultkrantz.
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Hft. 3.

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7. Vorläufiger Bericht über die Bearbeitung der . . . gesammelten marinen Fossilien, durch G. Steinmann und O. Wilckens.
8. Schlussworte, von O. Nordenskjöld.

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2. Poissons I . . . par F. A. Smitt. [Bihang till K. Svenska Vet.-Akad. Handlingar. Bd. XXII, afd. IV, no. 3, 1897.]
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4. On the Cephalopods. By . . . E. Lönnberg.
5. Poissons II, par F. A. Smitt. [Bihang till K. Svenska Vet.-Akad. Handlingar. Bd. XXIV, afd. IV, no. 5, 1898.]

[Sweden. *[Voyages, &c.—Magallanes, 1895–97.]* (contd.)]
[Wissenschaftliche Ergebnisse, &c. (contd.)]

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6. List of Reptiles and Batrachians. By L. G. Andersson.
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7. On some Remains of *Neomylodon listai*, Ameghino. By ... E. Lönnberg.

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10. Contribution to the knowledge of the Spider Fauna of the Magellan Territories. By A. Tullgren.

11. Isopoda. By A. Ohlin. 1. Valvifera.

Bd. III. Botanik. pp. (ii.) 583: 50 pls., 1 map col., text illust.

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1. Beiträge zur Stictaceen-Flora Feuerlands und Patagoniens. Von G. O. a. n. Malm.
- [Bihang till K. Svensk. Vet.-Akad. Handlingar. Bd. xiv, afd. III, no. 5, 1899 (1900).]
2. Ascomycetes Fuegiani a P. Dusén collecti, auctore ... H. Rehm.
- [Bihang till K. Svensk. Vet.-Akad. Handlingar. Bd. xiv, afd. III, no. 6, 1899 (1900).]
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4. Calcareous Algae from Fuegia. By M. H. Foslie.
5. Die Gefäßpflanzen der Magellansländer, nebst einem Beiträge zur Flora der Ostküste von Patagonien. Von P. Dusén.
6. Hymenomyces Fuegiani a cell. viris P. Dusén et O. Nordenskiöld lecti. Recenset I. Bresadola.
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8. Algen aus den Ländern der Magellansstrasse und Westpatagonien. I. Chlorophyceae. Von N. Svedelius.

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Ser. Aa. Kartblad, med beskrifningar, i skalan 1:50,000 [i.e. 1 m. = 1½ in. about]. Bladet 1— s.sh. geol. col. & 8°. Stockholm, 1862—

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Sweden.—SVERIGES GEOLOGISKA UNDERSÖKNING.

Ser. Ac. Kvartärgeologiska Kartor (Jordartskartor) i skalan 1:100,000 [i.e. 1 in. = 1½ m. about], med beskrifningar. s.sh. geol. col. & 8°. Stockholm, 1894, 98.

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Ser. A1, a. Berggrundskartor i skalan 1:200,000 [i.e. 1 in. = 3 m. about], med beskrifningar, &c. Blad 1— s.sh. geol. col. & 8°. Stockholm, 1904—

Sweden.—SVERIGES GEOLOGISKA UNDERSÖKNING.

Ser. Ba. Öfversigtskartor (med beskrifning). No. 1— s.sh. geol. col. & 8°. Stockholm, 1866—
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The maps are on various scales.

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Ser. Bb. Specialkartor, med beskrifningar. No. 1— s.sh. & fol. geol. col., and 8° & 4°. Stockholm, 1881—
The maps are on various scales.

Sweden.—SVERIGES GEOLOGISKA UNDERSÖKNING.

Ser. C. Afhandlingar och Uppsatser. No. 1— 8° & 4°. Stockholm, 1868—
Each number is a separately-paged paper, and many of them are reprints from the Förhandlingar Geol. Förening.
With No. 131 a map of 4 sh. geol. col. is issued, scale 1:100,000, and dated 1892.
From No. 204— they also form "Årsbok" 1— (1907—) [q.v. infra], and contain the annual report.

Sweden.—SVERIGES GEOLOGISKA UNDERSÖKNING.

Ser. Ca. Afhandlingar och Uppsatser i 4°. No. 1— s.sh. geol. col. & 4°. Stockholm, 1900—
The maps are on various scales.

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Sweden.—SVERIGES GEOLOGISKA UNDERSÖKNING.

[Maps.] Geologisk Jordartskarta öfver Hallands län, med bidrag af länets Hushållningssällskap ... skalan 1:100,000 [i.e. 1 in. = 1½ m. about]. 4 sh. 1892.
This illustrates Ser. C. Afhandlingar, No. 131.

SWEDEN. [*Maps.*] Carte des Mines et des Forges principales de la Suède méridionale. Echelle 1:1,000,000 [*i.e.* 1 in. = 15½ m. about]. See ÅKERMAN (R.) Sur l'état actuel de l'industrie du Fer en Suède, &c. 4°. 1878.

Sweden. [*Maps.*]

See also SCANDINAVIA.

[For Geological maps] See supra, *Sveriges Geologiska Undersökning*.

SWEDENBORG (EMANUEL) See SVEDENBORG.

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1888		1906	J. F. Scharff.
1889	W. R. McNab.	1907	J. F. Scharff.
1890		1908	R. F. Scharff.
to	H. A. Nicholson.	1909	
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Suisse. See SCHAFFHAUSEN.

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(Schweizerische Geologische Gesellschaft.)
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Faune Tertiaire moyenne. Par P. Fischer.

Flore Tertiaire moyenne. Par P. Fischer.

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Tableau général des corps organisés fossiles de l'Asie

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Appendice.

[Introduction, by P. de Tchihatcheff.]

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et décrits par E. de Verneuil.

Table Alphabétique des Auteurs cités dans la "Géologie"

et la "Paléontologie" de l'Asie Mineure.

Table Alphabétique des espèces Animales et Végétales

citées dans la "Géologie" et la "Paléontologie" de

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Table Alphabétique des substances Minérales citées dans

la "Géologie" de l'Asie Mineure.

[Wanting the title-page, Preface by Tchihatcheff, and

Introduction by d'Archiac to the whole volume.

Pp. 1-124 & Atlas, pls. i-xix, were issued in 1866.

The Appendix, pp. 425-495, with pls. xx & xxi, as also the

"Tables" covering the two sections Paléontology and

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[The maps are on the scale of 1:2,000,000, i.e. 1 in. = 31½ m. about. The one coloured geologically was also issued separately.—See ASIA MINOR. [Maps.]

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[Appendix.] J. J. P. Moldenhawer tentamen in Historiam Plantarum Theophrasti. See MOLDENHAWER (J. J. P.) 8^o. 1791.

Theophrastus. [Botanical Works.]

[Appendix.] Illustrationes Theophrasti, (Catalogus alphabeticus Plantarum Theophrasti, &c.—Tabula systematica Linneana Plantarum Theophrasti. Lexicon Theophrasti), &c. See STACKHOUSE (J.) 8^o. 1811.

Theophrastus. [Botanical Works.]

[Appendix.] Examen d'un ouvrage qui a pour titre: Illustrationes Theophrasti, in usum botanicorum præcipue peregrinantium, &c. See STACKHOUSE (J.) 8^o. 1816.

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Theophrastus. [Botanical Works.]

[Appendix.] Extracts . . . respecting the Balsam and Myrrh Trees, illustrative of the Natural History of Theophrastus, &c. See STACKHOUSE (J.) 8^o. 1815.

Theophrastus. [Botanical Works.]

[Appendix.] Dei libri di Teofrasto Eresio intorno alle Piante commentati da G. Hofman. Notizie di G. Montesanto. See MONTESANTO (G.) fol. 1822.

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[Appendix.] Die botanischen Schriften des Theophrast von Eresos, &c. See KIRCHNER (E. O. O.) 8^o. 1874.

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Notes on Sand and Gravel, Sudest River, collected by Sir W. MacGregor. Described by A. W. Clarke.

Petrological notes on two samples of Rock . . . collected by Sir W. MacGregor. Described by A. W. Clarke.

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II. Succinct general notes on the Flora . . . By Baron von Müller.

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There is a second, engraved title-page. The half-title, which is engraved, reads:—"A British Trophy in honour of Linnæus." The engraved title-pages to the third part, as well as some of the plates, are dated 1799. These (cf. WARR, "Bibl. Brit.") were apparently issued in that year under the title of:—"Botanical Plates of the New Illustration," &c. In its completed form the third part comprises 31 coloured plates, with descriptive letterpress.

The "Prize Dissertation" is stated to have been written in 1759. A leaflet announcing the sale by lottery, under a Special Act (51 Geo. III, cap. 109) passed in 1811, of the author's collection of Paintings, Drawings, Engravings, and of copies of his works, has been inserted in this copy. Meyer's copy of Ogburne & Bartolozzi's engraving of Hallman's portrait of Linnæus is placed at the beginning of Pt. 1, while Dunkerton's engraving of Hoffman's portrait of Linnæus in Lapland Dress, and engraved portraits of twenty-four other Botanists of note, are placed at the beginning of Pt. 2.

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" 32.	P. p. A. F. Althair.	
" 33.	P. p. C. L. Althair.	1821.
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Appendix 1.	Proponit J. Lundelius.	1827.
" 2.	" H. Yman.	
" 3.	Subjecit P. J. Aspelin.	1794.
" 4.	" P. Sundberg.	1796.
" 5.	" E. Gadellius.	1797.
" 6.	Proponit J. E. Forström.	1798.
" 7.	" L. F. Grävander.	
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" 9.	" C. E. Wulf.	
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" 11.	" P. Elgström.	1806.
" 12.	P. p. C. Netherwood.	
" 13.	Committit E. G. Groth.	
" 14.	" J. W. Dalman.	1807.
" 15.	" J. Jacoby.	1808.
" 16.	" O. A. Holshelm.	
" 17.	" A. O. Hall.	1809.
" 18.	" E. Nensén.	
" 19.	Submittit G. J. Örtenblad.	1812.
" 20.	" N. Hedrén.	
" 21.	Proponit J. E. Wikström.	1813.
" 22.	" P. C. Westring.	1814.
" 23.	Resp. P. A. Staf.	1816.
" 24.	Proponit O. Sjöstrand.	1818.
" 25.	" E. A. Lidén.	1819.
" 26.	" O. W. Flodstedt.	

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[1858 Informally organized.
1867 Re-organized.
1871 Incorporated as New York Botanical Club.
1872 Torrey Botanical Club.]
Bulletin, &c. Vol. I → 8^o. New York, 1870 →

Torrey Botanical Club.

Memoirs, &c. Vol. I → 8^o. New York, 1889 →
Each number comprises a complete paper, and in Vol. III → each paper is separately paged.

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[1729 Founded as Société des Sciences de Toulouse.

1746 Académie des Sciences, Inscriptions et Belles-Lettres de Toulouse.

1797 Lycée de Toulouse.

1804 Athénée de Toulouse.

1807 Académie des Sciences, Inscriptions et Belles-Lettres de Toulouse.

1827 (or earlier) Académie Royale des Sciences, Inscriptions et Belles-

Lettres de Toulouse.

1848 Académie Nationale des Sciences, &c.

1858 Académie Impériale des Sciences, &c.

1879 Académie des Sciences, &c.]

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8°. Toulouse, 1879-88.

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8°. Toulouse, 1889-97.

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— Sér. X, tom. I→

8°. Toulouse, 1901→

Toulouse.—Académie des Sciences, &c.

Bulletin, &c. Tom. I-III. 8°. Toulouse, 1898-1900.

These three volumes were issued when the publication of the "Mémoires" [q.v. supra] had been suspended: the rest of the Bulletins appeared as a section of the Mémoires.

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— [Another edition.] 3 Vol. *illustr.* 8°. *London*, 1741.

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TOUVET (CASIMIR J. M. ARVET) See ARVET-TOUVET.

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Sir W. Hely-Hutchinson on the Cocco Beetle.

[Reprinted from "Agric. Record Trinidad," January 1891.]

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II. Lists of Lepidoptera collected. By J. Fletcher.

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[Vol. II (contd.)]

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Report on the Shells collected . . . together with a list of Japan

Shells. By J. C. Jay.

Account of the Botanical Specimens. Prepared by A. Gray.

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Art. IV. D. Ornithological Report . . . by J. Cassin.

„ „ E. Botanical Report, by R. E. Griffith.

„ V. Geological reconnaissance of part of the Holy Land, by H. J.

Anderson.

„ VI. Paleontological Report: Description of the Fossils of Syria,

by T. A. Conrad.

The plates are 8^o. size, placed in pairs.

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Appendix D. Report on the minerals and mineral waters of

Chile: by J. L. Smith.

Appendix E. A description of the Indian antiquities brought

from Chile and Peru . . . By T. E. Swbank.

Appendix F. Zoology.

Mammals. By S. F. Baird. Fishes. By C. Girard.

Birds. By J. Cassin. Crustacea. By C. Girard.

Reptiles. By C. Girard. Shells. By A. A. Gould.

Appendix G. Botany.

List of dried Plants brought from Chile . . . By A. Gray.

List of living Plants and Seeds. By W. D. Brackenridge.

Appendix H. Paleontology.

Description of a portion of the lower jaw and a tooth of the

Mastodon Andium; also of a tooth and fragment of the femur

of a *Mastodon* from Chile. By J. Wyman.

Some remarks on the organic remains from Chile, with

descriptions of the species, by T. A. Conrad.

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[According to the Catalogue of the Library of Congress, these volumes were first issued in 1844, which is the official date of their registration, as given on the back of the title-page.]

„ [vii.] Zoophytes. By J. D. Dana. pp. 740, 12: 61 pls. (col.), text illust. 1846, 49.

„ [viii.] Mammalogy and Ornithology. By J. Cassin. pp. viii, 466: 42 pls. col. 1858.

[This section, originally written by T. R. Peale, and published in 1848, was afterwards suppressed.]

„ [x.] Geology. By J. D. Dana. pp. xii, 756: 4 maps, text illust. [1849.]

„ xii. Mollusca and Shells. By A. A. Gould. pp. xv, 510: 52 pls. col. 1852–56.

„ xiii. Crustacea. By J. D. Dana. 2 Pt. pp. viii, 1618, 27: 96 pls. (col.) 1862–55.

„ xiv. Botany. Phanerogamia. By A. Gray. pp. 777, 4: 1854–57.

„ xv. Pt. 1. The Geographical Distribution of Animals and Plants. By C. Pickering. pp. 169 [44]. 1854.

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„ xvi. Botany. Cryptogamia. Filices, including Lycopodiaceae and Hydropterides. By W. D. Brackenridge. pp. viii, 367, 7: 46 pls. 1854–55.

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[Musci. By W. S. Sullivan. pp. 112.]

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[For notes on the dates of publication of the volumes, See paper by F. S. Collins in “Rhodora,” Vol. xiv, 1912, pp. 57–68.]

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8°. *Washington [D.C.]*, 1895-1900.

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8°. *Washington [D.C.]*, 1889→

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Vol. I. Grasses of the Southwest. Plates and descriptions of the Grasses of the desert region of western Texas, New Mexico, Arizona, and southern California. 2 Pt. 1890-91.
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See infra, FISHERY REPORTS.—Bureau of Fisheries.

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[General.] Report on the principal Fisheries of the American Seas: prepared by . . . L. Sabine, &c. *pp. 317.*
8°. Washington [D.C.], 1853.

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[Fur Seal Fishery.] Investigation of the Fur-Seal and other Fisheries of Alaska. Report from the Committee on Merchant Marine and Fisheries of the House of Representatives. *pp. l, 415: 17 pls., 4 maps.*
8°. Washington [D.C.], 1889.
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[Fur Seal Fishery.] Copy of a despatch . . . inclosing a Treaty between Her Majesty and the United States of America for arbitration concerning the Seal Fisheries in Behring's Sea. See GREAT BRITAIN AND IRELAND.—Foreign Office. 4°. 1892.

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[Fur Seal Fishery.] Further correspondence respecting the Behring Sea Seal Fisheries. See GREAT BRITAIN AND IRELAND.—Foreign Office. 4°. 1892.

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[Fur Seal Fishery.] Behring Sea Arbitration. 7 Vol. See GREAT BRITAIN AND IRELAND.—Foreign Office. 4°. [1892–93.]

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United States.—FISHERY REPORTS.
[Fur Seal Fishery.] Report by . . . D'A. Thompson on his Mission to Behring Sea in 1896. See GREAT BRITAIN AND IRELAND.—Foreign Office. 4°. 1897.

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[Fur Seal Fishery.] Despatch from . . . D'A. Thompson, forwarding a Report on his Mission to Behring Sea in 1897. See GREAT BRITAIN AND IRELAND.—Foreign Office. 4°. 1898.

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[Fur Seal Fishery.] Joint Statement of Conclusions signed by the British, Canadian, and United States' Delegates respecting the Fur Seal Herd frequenting the Pribyloff Islands in Behring Sea. See GREAT BRITAIN AND IRELAND.—Foreign Office. 4°. 1898.

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[*Fur Seal Fishery.*] The Fur Seals and Fur-Seal Islands of the North Pacific Ocean. By D. S. Jordan . . . With special papers by other contributors. 4 Vol. *illustr.* 8°. Washington [D.C.], 1898-99.

Pt. I. The history, condition, and needs of the herd of Fur Seals resorting to the Pribilof Islands. By D. S. Jordan and G. A. Clark.

" II. Observations on the Fur Seals of the Pribilof Islands, 1872-1897, &c.

" III. Special papers relating to the Fur Seal and to the Natural History of the Pribilof Islands [containing, *inter alia*—]
7. Internal Parasites of the . . . Seal. By C. W. Stiles and A. Hassall.

16. Mammals of the . . . Islands. By F. W. True.

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20. The Mollusk Fauna of the . . . Islands. By W. H. Dall.

21. List of Insects . . . from the . . . Islands. By E. A. Schwarz. (Acarina. By H. Osborn.)

22. List of Crustacea . . . By M. J. Rathbun.

23. A List of the Plants . . . By J. M. Macconn (Lichens by W. W. Calkins).

24. Algae of the . . . Islands. By W. A. Setchell.

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Coleoptera. By M. L. Linell and E. A. Schwarz.

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Hymenoptera. } By W. H. Ashmead.

Rhynchoptera. }

Diptera. } By D. W. Coquillett.

Siphonaptera. }

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The Fisheries and Fishery Industries of the United States. Prepared through the co-operation of the Commissioner of Fisheries and the Superintendent of the Tenth Census. By G. B. Goode, &c.

8°. Washington [D.C.], 1884-87.

Sect. 1. Natural History of useful Aquatic Animals. pp. xxiv, 22, 896 : 292 pls. 1884.

Pt. 1. Mammals.

A. The Whales and Porpoises. By G. B. Goode.

B. The Seals and Walruses. By J. A. Allen.

C. The Habits of the Fur-Seal. By H. W. Elliott.

D. The Manatees and the Arctic Sea Cow. By F. W. True.

" 2. Reptiles and Batrachians. By F. W. True.

" 3. Fishes. By G. B. Goode.

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" 5. Crustaceans, Worms, Radiates, and Sponges. By R. Rathbun.

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Report of a Geological Reconnaissance made in 1835 . . . by the way of Green Bay and the Wisconsin Territory to the Coteau de Prairie . . . By G. W. Featherstonhaugh, &c. pp. 168 : 4 pls. 8°. Washington [D.C.], 1836. Senate : Doc. 333.

United States.—GEOGRAPHICAL & GEOLOGICAL SURVEYS : Miscellaneous.]

Report of a Geological Exploration of part of Iowa, Wisconsin, and Illinois, made . . . in . . . 1839 . . . By D. D. Owen, &c. pp. 161 : 23 pls. (5 col.), 4 maps (3 col.) 8°. Washington, D.C., 1840.] House of Representatives : 26th Congr., 1st Sess., Doc. No. 230.

— [Another edition.] pp. 191 : 19 pls. (col.), 4 maps (col.) 8°. [Washington, D.C.], 1844.

Senate : 28th Congr., 1st Sess. [Doc. No.] 407.

United States.—GEOGRAPHICAL & GEOLOGICAL SURVEYS : Miscellaneous.]

Report of the exploring expedition to the Rocky Mountains in . . . 1842, and to Oregon and North California, in . . . 1843-44. By . . . J. C. Frémont. pp. 583 : 24 pls., 3 maps. 8°. Washington [D.C.], 1845.

Appendix :—

A. Nature of the Geological Formations, by J. Hall.

B. Descriptions of Organic Remains, by J. Hall.

C. Descriptions of some new genera and species of Plants, by J. Torrey and J. C. Frémont.

United States.[—GEOGRAPHICAL & GEOLOGICAL SURVEYS : *Miscellaneous.*]

Letter . . . communicating a Report of a Geological Reconnaissance of the Chippewa land district of Wisconsin, and the northern part of Iowa, by D. D. Owen. *pp. 134 : 38 pls. (14 col.), 1 map col.*

8^o. Washington [D.C.], 1848.

Senate : 30th Congr., 1st Sess., Exec. No. 57.

This includes a Report by J. G. Norwood on the topography, &c., of the Lake Superior regions of the State of Wisconsin.

United States.[—GEOGRAPHICAL & GEOLOGICAL SURVEYS : *Miscellaneous.*]

Notes of a . . . reconnaissance, from Fort Leavenworth, in Missouri, to San Diego, in California, including parts of the Arkansas, Del Norte, and Gila Rivers. By W. H. Emory. *pp. 416 : 42 pls., 1 map, text illust.*

8^o. Washington [D.C.], 1848.

Senate : 30th Congr., 1st Sess., Exec. No. 7.

Appendix contains :—

No. 2. Botany by Prof. Torrey : with a letter on the Cactacea by G. Engelmann.

„ 6. Natural History Notes of J. W. Abert—the Plants named by Prof. Torrey.

United States.[—GEOGRAPHICAL & GEOLOGICAL SURVEYS : *Miscellaneous.*]

[Report . . . communicating information in relation to the Geology and Topography of California. By P. T. Tyson. 8^o. Washington, D.C., 1850.]

Wanting.

Senate : Ex. Doc. No. 47.

— [Another edition entitled :] *Geology and Industrial Resources of California.* By P. T. Tyson. To which is added the official reports of P. F. Smith (J. F. Frazer's report on Minerals, forwarded by P. F. Smith) . . . B. Riley . . . Talbot, Ord, Derby and Williamson, of their explorations in California and Oregon ; and also of their examinations of routes for rail road communication eastward from those countries. *pp. xxxiv, 127, 57 : 9 pls., 3 maps.* 8^o. Baltimore, 1851.

This consists of the author's copies of the original "Report," to which an "Introduction" containing additional matter has been prefixed.

United States.[—GEOGRAPHICAL & GEOLOGICAL SURVEYS : *Miscellaneous.*]

Report on the Geology and Topography . . . of the Lake Superior land district, in the State of Michigan : by J. W. Foster and J. D. Whitney, &c. 2 Pt. *illust.*

8^o. Washington [D.C.], 1850, 51.

House of Representatives : 31st Congr., 1st Sess., Ex. Doc. No. 69.

Pt. I. Copper lands. *pp. 224 : 15 pls., 4 maps (3 geol. col.), text illust.* 1850.

Three of the plates are numbered in with the text.

One of the maps is a facsimile of a map of Lake Superior and the adjacent regions, made by the Jesuit missionaries in 1670 and 1671, and published in Paris in 1672.

„ II. The Iron Ore region, together with the general Geology. *pp. xii, 106 : 33 pls., text illust.* 1851.

Pls. xxiii-xxv & xxxii are missing.

Contains, *inter alia* :—

Chap. IX. Lower Silurian System.—Continued by J. Hall.

„ X. Upper Silurian and Devonian series. By J. Hall.

„ XI. "On the Geology of the south-eastern portion of the State of Wisconsin ; being the part not surveyed by the United States Geologists, in a letter to J. W. Foster, by I. A. Lapham," &c.

„ „ Remarks upon the section from the Falls of Wolf River, through Navarino to Lake Michigan. By C. Whittlesey.

„ „ The dip, bearing, and thickness of the Silurian Groups. By [C.] Whittlesey.

„ XII. Remarks on . . . Lower Silurian Limestones. By [J.] Hall.

„ XIII. Description of new or rare species of Fossils, from the Paleozoic series. By J. Hall.

„ XIV. } On the superficial deposits of . . . the northern coast of Lake Michigan and western coast of Green Bay.—Of the Menomonee.—Of the valley of the Manistee.—Of the White-Fish.—Of the Escanaba, &c. By E. Desor, (The ancient and present Beaches of Lake Michigan. By [C.] Whittlesey.)

„ XVIII. Parallelism of the Paleozoic deposits of the United States and Europe. By J. Hall.

„ XIX. On the observed fluctuations of the surfaces of the Lakes. By C. Whittlesey.

„ XX. Magnetic variations. . . By C. Whittlesey.

„ „ Botany. By W. D. Whitney.

United States.[—GEOGRAPHICAL & GEOLOGICAL SURVEYS : *Miscellaneous.*]

Exploration of the Red River of Louisiana, in . . . 1852 : by R. B. Marcy . . . assisted by G. B. McClellan . . . with reports on the Natural History of the country, &c. *pp. xv, 320 : 65 pls., 2 maps.* 8^o. Washington [D.C.], 1853.

Senate : 32nd Congr., 2nd Sess., Exec. No. 54.

Appendix contains, *inter alia* :—

c. Mineralogy. By C. U. Shepard.

r. Geology.

Notes upon the specimens of Rocks and Minerals collected. By E. Hitchcock.

Remarks upon the general Geology of the country traversed. By G. G. Shumard.

e. Paleontology. Description of the species of Carboniferous and Cretaceous Fossils collected. By B. F. Shumard.

f. Zoology.

Manimals. By R. B. Marcy.

Reptiles. By S. F. Baird and C. Girard.

Fishes. By S. F. Baird and C. Girard.

Shells. By C. B. Adams and G. C. Shumard.

Orthopterous Insects. By C. Girard.

Arachnids. By C. Girard.

Myriapoda. By C. Girard.

c. Botany. Description of the Plants collected during the expedition. By J. Torrey.

— [Re-issue.] *pp. xv, 286 : 65 pls., 2 maps.*

8^o. Washington [D.C.], 1854.

Differs from the preceding issue solely in having a new title-page, and in the more condensed setting of some of the tables in the Appendix. In both issues there is no plate numbered xviii to the Botanical section, and the two maps are wanting.

United States.[—GEOGRAPHICAL & GEOLOGICAL SURVEYS : *Miscellaneous.*]

Report of an expedition down the Zuni and Colorado Rivers, by Capt. L. Sitgreaves. *pp. 198 : 79 pls., 1 map.*

8^o. Washington [D.C.], 1853.

Senate : 32nd Congr., 2nd Sess., Exec. No. 59.

Contains, *inter alia* :—

Report on the Natural History, by S. W. Woodhouse.

Mammals, by S. W. Woodhouse.

Birds, by S. W. Woodhouse.

Reptiles, by E. Hallowell.

Fishes, by S. F. Baird and C. Girard.

Botany, by J. Torrey.

Wanting Pl. 2 of the section on the Birds.

United States.[—GEOGRAPHICAL & GEOLOGICAL SURVEYS : *Miscellaneous.*]

Report upon the Colorado River of the West, explored in 1857 and 1858 by . . . J. C. Ives, &c. 6 Pt. [in 1 Vol.] 4^o. Washington [D.C.], 1861.

Senate : 36th Congr., 1 Sess., Ex. Doc.

Pt. I. General Report. *pp. 131 : 23 pls. (col.), 2 maps, text illust.*

„ II. Hydrographic Report. *pp. 14.*

„ III. Geological Report. By J. S. Newberry. *pp. 154 : 6 pls., 2 maps, text illust.*

„ IV. Botany. By Profs. Gray, Torrey, Thurber, and Engelmann. *pp. 50.*

„ V. Zoology. By S. F. Baird. *pp. 6.*

Appendices. *pp. 32.*

United States.[—GEOGRAPHICAL & GEOLOGICAL SURVEYS : *Miscellaneous.*]

Geological report of the exploration of the Yellowstone and Missouri Rivers by . . . F. V. Hayden . . . 1859-'60. (Report on the Cretaceous and Tertiary Plants, by J. S. Newberry.) *pp. ix, 174 : 1 map col.*

8^o. Washington [D.C.], 1869.

United States.[—GEOGRAPHICAL & GEOLOGICAL SURVEYS : *Miscellaneous.*]

Resources of the Pacific Slope. A . . . summary of the Mines and Minerals . . . and miscellaneous Productions of the States and Territories west of the Rocky Mountains. With a sketch of the . . . exploration of Lower California. By J. R. Browne. *pp. 674, 200.*

8^o. San Francisco, 1869.

United States.[—GEOGRAPHICAL & GEOLOGICAL SURVEYS : *Miscellaneous.*]

Report upon the reconnaissance of northwestern Wyoming, including Yellowstone National Park, made . . . 1873 by W. A. Jones. *pp. vi, 331, 1 tab. : 5 pls., 51 maps (1 col.)* 8^o. Washington [D.C.], 1875.

Contains, *inter alia* :—

Geological report. By T. B. Constock.

Botanical report. . . By C. C. Parry. List of Plants collected.

Entomological report. By J. D. Putnam. List of Insects collected.

United States.—GEOGRAPHICAL & GEOLOGICAL SURVEYS : *Miscellaneous.*

Report of a reconnaissance from Carroll, Montana Territory, on the Upper Missouri, to the Yellowstone National Park, and return, made in . . . 1875, by W. Ludlow, &c. pp. iv, 141 : 2 pls., 3 maps, text illust. 8°. Washington [D.C.], 1876.

Contains, *inter alia* :—

Zoological Report (List of Mammals and Birds), by G. B. Grinnell.
Geological Report, by E. S. Dana and G. B. Grinnell.
Descriptions of new species of Fossils, by R. P. Whitfield.

United States.—GEOGRAPHICAL & GEOLOGICAL SURVEYS : *Miscellaneous.*

Report of the exploring expedition from Santa Fé, New Mexico, to the junction of the Grand and Green Rivers of the Great Colorado of the West, in 1859, under the command of Capt. J. N. Macomb . . . with Geological Report by . . . J. S. Newberry. pp. vii, 152 : 22 pls. (col.), 1 map, text illust. 4°. Washington [D.C.], 1876.

Contains, *inter alia* :—

Descriptions of the Cretaceous fossils. By F. B. Meek.
Descriptions of the Carboniferous and Triassic fossils. By J. S. Newberry.

United States.—GEOGRAPHICAL & GEOLOGICAL SURVEYS : *Miscellaneous.*

Report of an exploration of parts of Wyoming, Idaho, and Montana, in . . . 1882, made by . . . P. H. Sheridan . . . with the itinerary of . . . J. F. Gregory, and a Geological and Botanical Report by . . . W. H. Forwood. pp. 69 : 3 pls., 1 map. 8°. Washington [D.C.], 1882.

United States.—GEOGRAPHICAL & GEOLOGICAL SURVEYS : *Miscellaneous.*

Letter . . . transmitting . . . Report upon the coal on the (Deer-Creek Coal-field) White Mountain Reservation in Arizona. [By M. Bannon and C. D. Walcott.] pp. 7 : 1 pl. 8°. Washington [D.C.], 1885.

"Ex. Doc. No. 20," Senate, 48th Congr., 2nd Session.

UNITED STATES.—GEOGRAPHICAL & GEOLOGICAL SURVEY OF THE ROCKY MOUNTAIN REGION.

Report . . . by J. W. Powell. pp. 19 : 1 map. 8°. Washington [D.C.], 1877.

United States.—GEOGRAPHICAL & GEOLOGICAL SURVEY OF THE ROCKY MOUNTAIN REGION.

Report on the Geology of the Henry Mountains. By G. K. Gilbert. (Report on the Lithologic characters of the Henry Mountain intrusives. By Capt. C. E. Dutton.) pp. viii, 160 : 22 pls., 5 maps (1 col.), text illust. 4°. Washington [D.C.], 1877.

United States.—GEOGRAPHICAL & GEOLOGICAL SURVEY OF THE ROCKY MOUNTAIN REGION.

Contributions to North American Ethnology. Vol. I. pp. xiv, 361 : 10 pls., 2 maps col., text illust. 8°. Washington [D.C.], 1877.

Pt. 1. Tribes of the extreme Northwest. By W. H. Dall.
" 2. Tribes of western Washington and northwestern Oregon. By G. Gibbs.

United States.—GEOGRAPHICAL & GEOLOGICAL SURVEY OF THE ROCKY MOUNTAIN REGION.

[Report on the Lands of the Arid Region of the United States, with a more detailed account of the Lands of Utah . . . By J. W. Powell. 4°. Washington [D.C.], 1878.]

Wanting.

— Second edition. pp. xv, 195 : 4 maps (col.). 4°. Washington [D.C.], 1879.

United States.—GEOGRAPHICAL & GEOLOGICAL SURVEY OF THE ROCKY MOUNTAIN REGION.

Report on the Geology and Resources of the Black Hills of Dakota . . . By H. Newton . . . and W. P. Jenney. pp. xv, 566 : 24 pls. (3 col.), 2 maps (1 col.), text illust.

4°. & fol. Washington [D.C.] & New York, 1879, 80.

Geology. By H. Newton.
Mineral Resources. By W. P. Jenney.
Paleontology. By R. P. Whitfield.
Microscopic Petrography. By J. H. Caswell.
Botany. By A. Gray.
Astronomy, &c. By H. P. Tuttle.

United States.—GEOGRAPHICAL & GEOLOGICAL SURVEY OF THE ROCKY MOUNTAIN REGION.

Report on the Geology of the high plateaus of Utah . . . By C. E. Dutton. pp. xxvii, 307 : 18 pls., 5 maps (2 col.)

4°. & fol. Washington [D.C.] & New York, 1879, 80.

United States.—GEOGRAPHICAL & GEOLOGICAL SURVEY OF THE ROCKY MOUNTAIN REGION.

Chart of Geological Time. Prepared by E. E. Howell. s.sh. [Washington, D.C. ? 187-]

United States.—GEOGRAPHICAL & GEOLOGICAL SURVEY OF THE ROCKY MOUNTAIN REGION.

Catalogue and Index of the Publications of the Survey, &c. See *infra*, GEOLOGICAL SURVEY. Bulletin No. 222. 8°. 1904.

UNITED STATES.—GEOGRAPHICAL & GEOLOGICAL SURVEYS WEST OF THE MISSISSIPPI.

[Report from the Committee on Public Lands.] pp. 92. 8°. [Washington, D.C.], 1875.]

UNITED STATES.—GEOGRAPHICAL AND GEOLOGICAL EXPLORATIONS AND SURVEYS WEST OF THE ONE HUNDREDTH MERIDIAN.

Progress-Report . . . 1872, by . . . G. M. Wheeler. pp. 56 : 5 pls., 1 map col. 4°. Washington [D.C.], 1874.

United States.—GEOGRAPHICAL AND GEOLOGICAL EXPLORATIONS AND SURVEYS WEST OF THE ONE HUNDREDTH MERIDIAN.

Annual Report, &c. 1875-84. 10 No. 8°. Washington [D.C.], 1875-84.

Issued as appendices to the Ann. Repts. of the Chief of Engineers.

United States.—GEOGRAPHICAL AND GEOLOGICAL EXPLORATIONS AND SURVEYS WEST OF THE ONE HUNDREDTH MERIDIAN.

Catalogue of Plants collected in . . . 1871-73, with descriptions of new species. pp. 62. 8°. Washington [D.C.], 1874.

List of Plants collected in Nevada, Arizona, and Utah . . . in 1871 and 1872. (Botanical Report.) By S. Watson.
Preliminary Report on the Botany of Central Colorado. (By J. T. Rothrock.)

Leguminosae. [Determined by A. Gray and S. Watson.]
Compositae. [Identified by A. Gray.]
Coniferae (named by J. Hoopes).
Caryaceae. By S. T. Olney.
Gramineae. Determined by G. Vasey.
Equisetaceae—Filices—Lycopodiaceae. [Identified by D. C. Eaton.]
Musci. By T. P. James.
Hepaticae. By C. F. Austin.

United States.—GEOGRAPHICAL AND GEOLOGICAL EXPLORATIONS AND SURVEYS WEST OF THE ONE HUNDREDTH MERIDIAN.

Preliminary Report upon Invertebrate Fossils collected by the expeditions of 1871-73, with descriptions of new species. [By] C. A. White. pp. 27.

8°. Washington [D.C.], 1874.

United States.—GEOGRAPHICAL AND GEOLOGICAL EXPLORATIONS AND SURVEYS WEST OF THE ONE HUNDREDTH MERIDIAN.

Report upon Ornithological Specimens collected in . . . 1871-73. *pp.* 148. 8°. *Washington [D.C.]*, 1874.

Report upon and List of Birds collected [in Utah and Nevada] . . . in 1872 . . . By H. C. Yarrow and H. W. Henshaw.
An annotated List of the Birds of Utah. By H. W. Henshaw.
Report upon and List of Birds collected . . . in 1873 . . . By H. W. Henshaw.

United States.—GEOGRAPHICAL AND GEOLOGICAL EXPLORATIONS AND SURVEYS WEST OF THE ONE HUNDREDTH MERIDIAN.

Report, &c. Vol. I-VI & Geological Atlas. 4°. & fol. *Washington [D.C.]*, 1874-89.

Wanting Vol. VII, Archaeology.

Vol. I. Geographical Report. *pp.* 780 : 38 pls., 3 maps col. 1889.

" II. Astronomy and Barometric Hypsometry. *pp.* xiii, 571 : 22 pls., text illust. 1877.

" III. Geology. *pp.* 681 : 14 pls., 2 maps, text illust. Atlas, 18 maps col. 1874, 75.

Pt. 1-5. Reports upon the Geology. By G. K. Gilbert,

A. R. Marvin, E. E. Howell, J. J. Stevenson.

" 6. Report upon Mineralogical, Agricultural, and

Chemical Conditions observed. By O. Loew.

" " Geology. By J. J. Stevenson. (Appendix—Report on the Carboniferous Invertebrate Fossils. By C. A. White.)

pp. 420, xxviii : 4 pls., text illust. 1881.

" IV. Pt. 1. Paleontology. Report upon the invertebrate fossils. By C. A. White. *pp.* 12, 219 : 21 pls., text illust. 1875.

" 2. — Report upon the Extinct Vertebrata. By E. D. Cope. *pp.* xii, 370 : 63 pls., text illust. 1877.

[These two parts were also issued in one volume dated 1877.]

" V. Zoology. *pp.* 1021 : 45 pls. (28 col.), text illust. 1875.

Chap. 1. Notes upon geographical Distribution and Variation. By H. C. Yarrow.

" 2. Report upon the collections of Mammals. By E. Coues and H. C. Yarrow.

" 3. Report upon the Ornithological collections. By H. W. Henshaw.

" 4. Report upon the collections of Batrachians and Reptiles. By H. C. Yarrow.

" 5. Synopsis of the Reptiles and Batrachians. By E. Coues.

" 6. Report upon the collections of Fishes. By E. D. Cope and H. C. Yarrow.

" 7. Report upon the collections of Hymenoptera, by E. T. Cresson ; with list of Formicidae, by E. Norton.

" 8. Report upon the collections of Diurnal Lepidoptera, with notes, by T. L. Mead ; and a list, by W. H. Edwards.

" 9. Report upon new species of Zyganidae and Bombycidae. By R. H. Stretch.

" 10. Report upon the collection of Diptera. By C. R. Osten-Sacken.

" 11. Report upon the collections of Coleoptera. By H. Ulke.

" 12. Report upon the collections of Hemiptera. By P. R. Uhler.

" 13. Report upon the collections of Orthoptera [and Arachnida]. By C. Thomas.

" 14. Report upon the collections of Neuroptera and Pseudo-Neuroptera. By H. A. Hagen.

" 15. Report upon the collections of Terrestrial and Fluvial Mollusca. By H. C. Yarrow.

" 16. Report upon the collections of Freshwater Leeches. By A. E. Verrill.

" VI. Botany. *pp.* xxi, 404 : 31 pls. (1 col.) 1878.

Chap. 1. Notes on Colorado. By J. T. Rothrock.

" 2. Notes on New Mexico. By J. T. Rothrock.

" 3. Notes on Economic Botany. By J. T. Rothrock.

" 4. Catalogue of Plants collected in Nevada, Utah, Colorado, New Mexico, and Arizona, with descriptions of those not contained in Gray's

Manual of the Northern U.S., and Vol. v, Geological exploration of the fortieth parallel.

By J. T. Rothrock . . . and . . . S. Watson,

G. Engelmann, T. C. Porter, M. S. Bebb, W. Booth, G. Vasey, D. C. Eaton, T. P. James,

E. Tuckerman [and C. F. Austin].

Appendix. California collection.

United States.—GEOGRAPHICAL AND GEOLOGICAL EXPLORATIONS AND SURVEYS WEST OF THE ONE HUNDREDTH MERIDIAN.

Systematic Catalogue of Vertebrata of the Eocene of New Mexico. Collected in 1874. [By] E. D. Cope. *pp.* 87. 8°. *Washington [D.C.]*, 1875.

United States.—GEOGRAPHICAL AND GEOLOGICAL EXPLORATIONS AND SURVEYS WEST OF THE ONE HUNDREDTH MERIDIAN.

Catalogue and Index of the Publications of the . . . Surveys, &c. See infra, GEOLOGICAL SURVEY. Bulletin No. 222. 8°. 1904.

UNITED STATES.—GEOLOGICAL SURVEY OF WISCONSIN, IOWA & MINNESOTA.

Report of a Geological Survey of Wisconsin, Iowa, and Minnesota ; and incidentally of a portion of Nebraska Territory . . . By D. D. Owen. *pp.* 638 : 46 pls. (col.), 4 maps (col.), text illust. 4°. *Philadelphia*, 1852.

Contains, *inter alia*, geological reports by J. G. Norwood, C. Whittlesey and B. F. Shumard.

Description of the remains of extinct Mammalia and Chelonians, from Nebraska Territory . . . By J. Leidy.

Article 1. Description of new and imperfectly known genera and species of Organic remains . . . By D. D. Owen.

" 2. Descriptions of . . . new genus and . . . new species of Crinoides . . . By D. D. Owen and E. F. Shumard.

" 3. Summary of the distribution of orders, genera, and species, in the Northwest.

" 4. Additional Chemical Examinations. By D. D. Owen.

" 5. Systematic Catalogue of Plants of Wisconsin and Minnesota. By C. C. Parry.

" 6. Systematic Catalogue of Birds . . . By H. Pratten.

UNITED STATES.—GEOLOGICAL AND GEOGRAPHICAL SURVEY OF THE TERRITORIES.

Preliminary field report of the . . . Survey of Colorado and New Mexico . . . by F. V. Hayden. [Forming the third Annual Report of the Survey.] *pp.* 155. 8°. *Washington [D.C.]*, 1869.

The two preceding Reports for 1867 and 1868 were published as part of the "Report of the Commissioner of the General Land Office" for those years.

The three were then issued as :—

First, Second, and Third Annual Reports of the . . . Survey . . . for the years 1867-69, &c. *pp.* 261 [1]. 8°. *Washington [D.C.]*, 1873.

Preliminary Report of the . . . Survey of Wyoming . . . (being a Second [*i.e.* Fourth] Annual Report of progress), &c. *pp.* 511 : text illust. 8°. *Washington [D.C.]*, 1871.

— Survey of Montana . . . being a Fifth Annual Report of progress, &c. *pp.* 538 : 2 pls., 5 maps, text illust. 8°. *Washington [D.C.]*, 1872.

Wanting the Supplement "Report on Fossil Flora. By L. Lesquereux."

[Continued as :]

Annual Report, &c. No. 6-12†. 1872-78. 8°. *Washington [D.C.]*, 1873-83.

United States.—GEOLOGICAL AND GEOGRAPHICAL SURVEY OF THE TERRITORIES.

Miscellaneous Publications. No. 1-12†. 8°. *Washington [D.C.]*, 1873-80.

Wanting No. 2 & 9.

Each number contains a separately-paged paper.

No. 3. Birds of the Northwest : a handbook of the Ornithology of the region drained by the Missouri River and its tributaries. By E. Coues. *pp.* xi, 791. 1874.

" 4. Synopsis of the Flora of Colorado, by T. C. Porter and J. M. Coulter. *pp.* 180. 1874.

" 7. Ethnography and Philology of the Hidatsa Indians. By W. Matthews. *pp.* vi, 239. 1877.

" 8. Fur-bearing Animals : a monograph of North American Mustelidae . . . By E. Coues. *pp.* xiv, 348 : 20 pls. 1877.

" 10. Bibliography of North American Invertebrate Paleontology . . . including the West Indies and Greenland. By C. A. White . . . and H. A. Nicholson. *pp.* 132. 1878.

[For Supplement, See Bulletin, Vol. v, no. 1.]

" 11. Birds of the Colorado Valley . . . By E. Coues. Part First, Passeres to Laniids. Bibliographical Appendix. (List of Faunal Publications relating to North American Ornithology). *pp.* xvi, 807 : text illust. 1878.

[For the second and third instalments of the "Bibliography," See Bulletin, Vol. v, No. 2 & 4.]

" 12. History of North American Pinnipeds. A monograph of the Walruses, Sea-Lions, Sea-Bears and Seals of North America. By J. A. Allen. *pp.* xvi, 785 : text illust. 1880.

United States.—GEOLOGICAL AND GEOGRAPHICAL SURVEY OF THE TERRITORIES.

Report, &c. Vol. I-III, v-xiii.†

4°. Washington [D.C.], 1873-90.

- Vol. I. Pt. 1. Contributions to the extinct Vertebrate Fauna of the Western Territories. By J. Leidy. pp. 368; 37 pls. 1873.
 " II. The Vertebrata of the Cretaceous formations of the West. By E. D. Cope. pp. iv, 302; 57 pls., text illust. 1875.
 " III. The Vertebrata of the Tertiary formations of the West. By E. D. Cope. 2 Vol. pp. xxxiv, 1009; 1 tab.; text illust. Atlas, 384 pls. 1883, 84.
 [Wanting pl. lxxv.]
 " IV. [Not published.]
 " V. Zoology and Botany.
 Pt. 1. Synopsis of the Acrididae of North America. By C. Thomas. pp. 2, 262; 2 pls. 1873.
 " VI. } Contributions to the fossil Flora of the Western Territories. By L. Lesquereux.
 " VIII. } Pt. 1. The Cretaceous Flora. pp. (viii), 136; 30 pls. 1874.
 " 2. The Tertiary Flora. pp. xv, 366; 65 pls. 1878.
 " 3. The Cretaceous and Tertiary Floras. pp. xii, 283; 60 pls. 1883.
 " IX. A report on the Invertebrate Cretaceous and Tertiary Fossils of the Upper Missouri country. By F. B. Meek. pp. lxxv, 629; 45 pls., text illust. 1876.
 " X. A monograph of the Geometrid Moths, or Phalaenidae of the United States. By A. S. Packard, Jr. pp. iv, 607; 13 pls. 1876.
 " XI. Monographs of North American Rodentia. By E. Coues . . . and J. A. Allen. pp. xii, 2, 1091; 6 pls.; text illust. 1877.
 " XII. Fresh-water Rhizopods of North America. By J. Leidy. pp. 24, 324; 43 pls. 1879.
 " XIII. The Tertiary Insects of North America. By S. H. Scudder. 1890.]
 Wanting.
 Also issued as Vol. II of the author's "Fossil Insects of North America" [q.v.].

United States.—GEOLOGICAL AND GEOGRAPHICAL SURVEY OF THE TERRITORIES.

Bulletin, &c. Vol. I-VI.† 8°. Washington [D.C.], 1874-82.

Vol. III wants pp. 631-654. Vol. I consists of eight numbers divided into two series: the first is formed of two separately-paged numbers, whilst in the second the pagination is continuous.

United States.—GEOLOGICAL AND GEOGRAPHICAL SURVEY OF THE TERRITORIES.

Final Report of the . . . Survey of Nebraska and portions of the adjacent territories, &c. pp. 264; 11 pls., 1 map col., text illust. 8°. Washington [D.C.], 1872.

Pt. 1. The Report.

- " 2. Paleontology.—Report on the Paleontology of eastern Nebraska. By F. B. Meek.—Descriptions of Fossil Fishes from the Upper Coal Measures. By O. St. John.
 " 3. Entomology.—Notes on the Orthoptera. By S. H. Scudder.

United States.—GEOLOGICAL AND GEOGRAPHICAL SURVEY OF THE TERRITORIES.

Synopsis of new Vertebrata from the Tertiary of Colorado, obtained during . . . 1873. By Prof. E. D. Cope. (Extracted from the Seventh Annual Report of the . . . Survey), &c. pp. 19. 8°. Washington [D.C.], 1873.

"Only quasi-extracted from the Report of which it ostensibly forms part. It was published in advance of the Seventh Annual Report as a separate pamphlet; and finally appeared in that Report so much modified as to be in effect a different article." (Cat. of Publications, 3rd ed.)

United States.—GEOLOGICAL AND GEOGRAPHICAL SURVEY OF THE TERRITORIES.

Report on the Geology of the eastern portion of the Uinta Mountains and a region of country adjacent thereto . . . By J. W. Powell. pp. vii, 218; 4 pls., text illust. Atlas, 6 pls., 2 maps. 4°. & fol. Washington [D.C.], 1876.

Chapter III. Invertebrate Paleontology of the Plateau Province. By C. A. White.

United States.—GEOLOGICAL AND GEOGRAPHICAL SURVEY OF THE TERRITORIES.

Preliminary Report of the Field Work, &c. 1877 & 1878. 2 No. 8°. Washington [D.C.], 1877, 78.

United States.—GEOLOGICAL AND GEOGRAPHICAL SURVEY OF THE TERRITORIES.

Sketch of the origin and progress of the . . . Survey, &c. pp. 15. 8°. Washington [D.C.], 1877.

United States.—GEOLOGICAL AND GEOGRAPHICAL SURVEY OF THE TERRITORIES.

Extracts from letters and notices of eminent scientific men and journals in Europe and America, commendatory of the . . . Survey, &c. pp. 42.

8°. Washington [D.C.], 1879.

United States.—GEOLOGICAL AND GEOGRAPHICAL SURVEY OF THE TERRITORIES.

Catalogue of the Publications, &c.

8°. Washington [D.C.], 1874.

— Second edition.

8°. Washington [D.C.], 1877.

— Third edition.

8°. Washington [D.C.], 1879.

Catalogue and Index of the Publications, &c. See infra, GEOLOGICAL SURVEY. Bulletin No. 222. 8° 1904.

United States.—GEOLOGICAL AND GEOGRAPHICAL SURVEY OF THE TERRITORIES. [Maps.]

Map of the sources of Snake River with its tributaries, together with portions of the headwaters of the Madison and Yellowstone . . . by G. R. Bechler . . . Scale 5 m. = 1 in. s.sh. col. [Washington, D.C., 1872.]

United States.—GEOLOGICAL AND GEOGRAPHICAL SURVEY OF THE TERRITORIES. [Maps.]

Map of the Upper (—Lower) Geyser Basin on the Upper Madison River, Montana Terr. after a reconnaissance by G. R. Bechler. Scale 6 in. = 1 m.

2 sh. col. Washington [D.C.], 1872.

United States.—GEOLOGICAL AND GEOGRAPHICAL SURVEY OF THE TERRITORIES. [Maps.]

Geological and geographical Atlas of Colorado and portions of adjacent territory by F. V. Hayden. 4 pls. (col.), 16 maps (8 col.) fol. [Washington, D.C.] 1877.

UNITED STATES.—GEOLOGICAL EXPLORATION OF THE FORTIETH PARALLEL.

Report, &c. 7 Vol., & Atlases.

4°, & fol. Washington [D.C.], 1870-80.

- Vol. I. Systematic Geology. By C. King. pp. xii, 803, 14 tabs.: 28 pls. (col.), 12 maps col. 1878.
 Geological and Topographical Atlas. 21 maps (col.), 2 pls. col. 1876.
 " II. Descriptive Geology. By A. Hague and S. F. Emmons. pp. xiii, 890; 26 pls. 1877.
 " III. Mining Industry. By J. D. Hague, with geological contributions by C. King. pp. xv, 617; 38 pls., 1 map. 1870.
 — Atlas. 4 maps col.; 10 pls. col. 1870.
 Geology of the Toyabe Range. By S. F. Emmons.
 Geology of the White Pine district. By A. Hague.
 Egan Cañon district. By S. F. Emmons.
 Lists of Fossils from Utah, with some notes. By F. B. Meek.
 " IV. Pp. xii, 669; 24 pls., text illust. 1877.
 Pt. 1. Paleontology. By F. B. Meek.
 " 2. Paleontology. By J. Hall and R. P. Whitfield.
 " 3. Ornithology. By R. Ridgway.
 " V. Botany. By S. Watson, aided by D. C. Eaton and others. pp. liii, 585; 40 pls., 1 map. 1871.
 Cactaceae. By G. Engelmann.
 Compositae. By D. C. Eaton.
 Polemoniaceae and Eriogonae (Polygonaceae). By A. Gray.
 Naiadaceae. By J. W. Robbins.
 Caricaceae. By S. T. Olney.
 Equisetaceae and Filices. By D. C. Eaton.
 Musci. By T. P. James.
 Lichenes. By E. Tuckerman.
 Algae. By H. C. Woods.
 " VI. Microscopical Petrography. By F. Zirkel. pp. xv, 297; 12 pls. (col.) 1876.
 " VII. Odontornithes: a monograph on the extinct toothed birds of North America. By O. C. Marsh. pp. xv, 201; 34 pls., text illust. 1880.

United States.—GEOLOGICAL EXPLORATION OF THE FORTIETH PARALLEL.

Catalogue and Index of the Publications of the . . . Exploration, &c. See infra, GEOLOGICAL SURVEY. Bulletin No. 222. 8° 1904.

UNITED STATES.—GEOLOGICAL SURVEY.

Annual Report, &c. No. 1—
4°. & 8°. *Washington [D.C.]*, 1880—>

United States.—GEOLOGICAL SURVEY.

Monographs, &c. Vol. 1—
4°. & fol. *Washington [D.C.]*, 1882—>

Each monograph is separately pagged.

United States.—GEOLOGICAL SURVEY.

Bulletin, &c. No. 1—> 8°. *Washington [D.C.]*, 1883—>
Each number contains a separate memoir. The first fifty-four numbers were grouped into eight volumes, each with a secondary pagination in addition to that of the number.

United States.—GEOLOGICAL SURVEY.

Mineral Resources of the United States, by A. Williams
([and afterwards] D. T. Day). 1882-93, 1900—>
8°. *Washington [D.C.]*, 1883—>

The Reports for 1894 to 1899 inclusive were issued as part of the 'Annual Reports' for those years.

United States.—GEOLOGICAL SURVEY.

Contributions to Economic Geology, 1902—> *illust.*
See supra, Bulletin No. 213—> 8°. 1903—>
These Contributions recur periodically throughout the series.

United States.—GEOLOGICAL SURVEY.

Report on Progress of Investigations of Mineral Resources of Alaska . . . by A. H. Brooks, &c. 1904—>
See supra, Bulletin No. 259—> 8°. 1905—>
These Reports recur periodically throughout the series.

United States.—GEOLOGICAL SURVEY.

Professional Paper No. 1—>
4°. *Washington [D.C.]*, 1902—>

United States.—GEOLOGICAL SURVEY.

Water Supply and Irrigation Paper, &c. No. 65—>
8°. *Washington [D.C.]*, 1902—>
Each number contains a separately-paged paper.

United States.—GEOLOGICAL SURVEY.

Mineral Products of the United States . . . 1888 to 1897.
By D. T. Day. s.sh. *Washington [D.C.]*, 1898.

— 1895-1904. [By] D. T. Day.
s.sh. *Washington, D.C.*, 1905.

United States.—GEOLOGICAL SURVEY.

Preliminary Report on the Cape Nome Gold region, Alaska . . . By F. C. Schrader and A. H. Brooks.
pp. 56 : 19 pls., 3 maps (1 geol. col.), text illust.
8°. *Washington [D.C.]*, 1900.

United States.—GEOLOGICAL SURVEY.

The Geology and Mineral Resources of a portion of the Copper River district, Alaska. By F. C. Schrader and A. C. Spencer. *pp. 94 : 8 pls., 5 maps (col.)*
8°. *Washington [D.C.]*, 1901.

United States.—GEOLOGICAL SURVEY.

Reconnaissances in the Cape Nome and Norton Bay regions, Alaska, in 1900. By A. H. Brooks, G. B. Richardson, A. J. Collier and W. C. Mendenhall.
pp. 222 : 14 pls., 9 maps (col.), text illust.
8°. *Washington [D.C.]*, 1901.

Consists of :

1. A Reconnaissance of the Cape Nome and adjacent Gold Fields of Seward Peninsula, Alaska, in 1900. By A. H. Brooks, assisted by G. B. Richardson and A. J. Collier. [Including Notes on the Vegetation by A. J. Collier.]
2. A Reconnaissance in the Norton Bay region . . . in 1900. By W. C. Mendenhall.

United States.—GEOLOGICAL SURVEY.

The State Geological Surveys of the United States. Compiled under the direction of C. W. Hayes. *pp. 177.*
See supra, Bulletin 465. 8°, 1911.

United States.—GEOLOGICAL SURVEY.

List of the publications of the . . . Survey. *pp. 46.*
8°. *Washington [D.C.]*, 1893.

The Publications of the . . . Survey (not including Topographic Maps). *pp. 116.*

8°. *Washington [D.C.]*, 1912.

United States.—GEOLOGICAL SURVEY.

Bibliography and Index of the publications of the . . . Survey, with the laws governing their printing and distribution. By P. C. Warman. *pp. 495.* See supra, Bulletin, &c. No. 100. 8°, 1893.

— [Another edition entitled:] Catalogue and Index of the Publications of the . . . Survey, 1880 to 1901, &c. See supra, Bulletin, &c. No. 177. 8°. 1901.

— 1901-1903, &c. See supra, Bulletin, &c. No. 215. 8°. 1903.

United States.—GEOLOGICAL SURVEY.

The United States Geological Survey and its methods of Work. See WALCOTT (C. D.) 8°. 1895.

United States.—GEOLOGICAL SURVEY.

The United States Geological Survey : its origin, development, organization, and operations. *pp. 205 : 3 pls., 6 maps (col.), text illust.* See supra, Bulletin, &c. No. 227. 8°. 1904.

United States.—GEOLOGICAL SURVEY. [Maps.]

Geologic Atlas of the United States . . . Library edition. Folio 1—> fol. *Washington [D.C.]*, 1894—>

Each folio deals with a single section of the country and contains :—
1°. a letterpress description in quadruple column ; 2°. a topographical map of the area ; 3°. a geologically coloured one ; 4°. one showing the economic geology ; 5°. a repetition of 4 with the horizontal sections drawn in their respective positions ; 6°. a table of vertical sections.
The several maps are on different scales.

— Field edition. Scale 1 : 125,000 [*i.e.* 1 in. = 2 m. nearly.] Folio 2, 3, 5 & 8. fol. *Washington [D.C.]*, 1894.

The contents of each folio are similar to those of the Library Edition above.

UNITED STATES.—PACIFIC RAILROAD SURVEY.

Reports of explorations and surveys, to ascertain the most practicable . . . route for a railroad from the Mississippi River to the Pacific Ocean. Made . . . in 1853-54, &c. 11 Vol. [in 12] *illust.*
4°. *Washington [D.C.]*, (1853-) 1855-59.

Vol.

I. Index. *pp. viii.*

(1855) Report of the Secretary of War [Jefferson Davis] on the several . . . explorations. *pp. 134.*

Report of explorations for a route . . . near the forty-seventh and forty-ninth parallels . . . from St. Paul to Puget Sound. By I. I. Stevens. *pp. vii, 651.*

Suppl. Supplementary Report of explorations for a route . . . near the forty-seventh and forty-ninth parallels . . . from St. Paul to Puget Sound. By I. I. Stevens. 1855.

(1859) Pt. I. General Report. *pp. 333, viii : 70 pls. col., 2 maps, 1 section.* 1859.

" II. Botanical Report. *pp. 72 : 6 pls.* 1859.

No. 1. Botany. By J. G. Cooper.

" 2. Catalogue of the Plants collected east of the Rocky Mountains. By A. Gray.

" 3. Catalogue of Plants collected in Washington Territory. By J. G. Cooper.

" III. Zoological Report. *pp. viii, 399 : 47 pls. (3 col.)* 1859.

No. 1. Insects. By J. T. [*i.e.* J. L.] Leconte.

" 2. Mammals. By J. G. Cooper, G. Suckley, and G. Gibbs.

" 3. I. Land Birds. By J. G. Cooper.

II. Water Birds. By G. Suckley.

" 4. Reptiles. By J. G. Cooper.

" 5. Fishes. By G. Suckley.

" 6. Mollusca. By W. Cooper.

" 7. Crustacea. By J. G. Cooper.

Appendix. *pp. 23.*

[United States.—PACIFIC RAILROAD SURVEY. (contd.)]
[Reports of explorations and surveys, &c. (contd.)]

- Vol.
II. Report of explorations for a route . . . by . . . J. W. Gunnison . . . near the thirty-eighth and thirty-ninth parallels . . . from the mouth of the Kansas River, Mo., to the Sevier Lake, in the Great Basin. Report by . . . E. G. Beckwith. *pp. 128: 13 pls. col.* [1854.]
[For Zoology, See Vol. x.]
- Report of explorations for a route . . . on the line of the forty-first parallel . . . By . . . E. G. Beckwith. *pp. 132: 14 pls., text illust.* 1854.
Geological report of the . . . thirty-eighth and forty-first parallels . . . by J. Schiel (Infusorial Fossils by W. Bailey).
Botany . . . by J. Torrey and A. Gray. Route on the forty-first . . . and near the thirty-eighth and thirty-ninth parallels, &c.
[Zoology, See Vol. x.]
- Synopsis of a report of the reconnaissance of a . . . route from Puget Sound via South Pass to the Mississippi River. By F. W. Lander. *pp. 45.* 1856.
Report of exploration of a route . . . near the thirty-second parallel . . . from the Red River to the Rio Grande, by . . . J. Pope. *pp. iv, 185: 10 pls.* 1854.
Botany . . . by J. Torrey and A. Gray, &c.
- Report on the Geology of the route near the thirty-second parallel . . . by W. P. Blake. *pp. 50: 1 pl. col., 1 map geol. col.* 1856.
Report of explorations for . . . route, near the thirty-second parallel . . . lying between Dona Ana, on the Rio Grande, and Pimas Villages, on the Gila. By . . . J. G. Parke. *pp. 28.* [1854.]
[For Zoology, See Vol. x.]
- Route near the thirty-second parallel . . . Extract from report of a . . . reconnaissance made in 1846 and 1847, by . . . W. H. Emory. *pp. 22.* [?]
- III. Extracts from the [preliminary] report of . . . route, near the thirty-fifth parallel . . . from the Mississippi River to the Pacific Ocean, by . . . A. W. Whipple. *pp. 36.* [?]
Report of explorations for a . . . route near the thirty-fifth parallel . . . from the Mississippi River to the Pacific Ocean. By . . . A. W. Whipple . . . assisted by . . . J. C. Ives. 1853-54.
Pt. I. Itinerary. *pp. x [vii]: 136: 10 pls. col., text illust.*
" II. Report on the topographical features and character of the country. *pp. 77: 10 pls. (col.), text illust.* 1856.
" III. Report upon the Indian Tribes, by . . . A. W. Whipple, T. Ewbank . . . and W. W. Turner. *pp. 127: 7 pls. col., text illust.* 1853.
" IV. Report on the Geology. *pp. vii [iii]: 175: 5 pls. (col.), 1 map geol. col., text illust.* 1856.
No. 1. General Report . . . by W. P. Blake. (Notices of the fossils by J. Hall.)
" 2. Resumé and Field Notes. By J. Marcon.
- IV. " V. Report on the Botany. *pp. vii, 193: 60 pls.* 1856.
No. 1. General description. By J. M. Bigelow.
" 2. Forest Trees. By J. M. Bigelow.
" 3. Cactaceae. By G. Engelmann and J. M. Bigelow.
" 4. The general botanical collections. By J. Torrey.
" 5. Mosses and Liverworts. By W. S. Sullivant.
- " VI. Report on the Zoology. 1856.
No. 1. Field Notes. By C. B. R. Kennerly. *pp. 17.*
[For continuation, See Vol. x.]
Appendices. *pp. 238.*
- V. Report of explorations in California . . . By . . . R. S. Williamson. 1853.
[i.e. 1857] Introduction. [pp. ii.]
Pt. I. Report. *pp. 43: 12 pls. col., text illust.* 1855.
" II. Geological Report. By W. P. Blake. *pp. xvi, 370, xiii: 43 pls. (col.), 4 maps col., text illust.* 1857.
[Wanting pl. x to Article 2, which occurs in Blake's re-issue.]
Appendix:—
Art. 1. The fossil fishes. By L. Agassiz.
" 2. The fossil shells. By T. A. Conrad.
" 3. The recent shells. By A. A. Gould.
" 4. Letter from J. W. Bailey, describing the structure of the fossil plant from Pasun-cula River.
" 5. Structure of the fossil wood from the Colorado Desert. By G. C. Schaeffer.
" 6. Chemical examinations of the soils and incrustations. By J. D. Easter.
" 7. Descriptions of Plants collected . . . by W. P. Blake. By J. Torrey.
" 8. Fossil microscopic organisms, from Monterey. By J. W. Bailey.
[Title only of Art. 8, which appears never to have been published.]
- " III. Botanical Report. By E. Durand and T. C. Hild-gard. *pp. 15: 18 pls.* 1855.
" IV. Zoological Report. [See Vol. x.] 1857.
Appendices. *pp. 14.*

[United States.—PACIFIC RAILROAD SURVEY. (contd.)]
[Reports of explorations and surveys, &c. (contd.)]

- Vol.
VI. Report of . . . H. L. Abbot . . . upon explorations for a . . . route from the Sacramento Valley to the Columbia River, made by . . . R. S. Williamson . . . assisted by . . . H. L. Abbot. 1855.
Introduction. *pp. 1-16.*
Pt. I. General Report. *pp. 17-134: 13 pls. col., text illust.* 1857.
" II. Geological Report. *pp. 35: 5 pls. (col.), text illust.* 1856.
No. 1. Geology of the route. By J. S. Newberry.
" 2. The Tertiary Fossils. By T. A. Conrad.
" 3. Analytical examination of Water and Minerals from the hot springs in Des Chutes Valley. [By] E. N. Horsford [and L. M. Dornbach].
" 4. Catalogue of the Minerals and Fossils collected.
- " III. Botanical Report. *pp. 102: 16 pls. (col.), text illust.* 1857.
No. 1. Botany of the route. By J. S. Newberry.
" 2. Catalogue of the Plants collected, &c.
" 1. Exogenous Plants. By A. Gray, J. Torrey, and J. S. Newberry.
" II. Endogenous Plants. By J. Torrey.
" III. Mosses and Liverworts. By W. S. Sullivant.
" IV. Lichens. By E. Tuckerman.
- " IV. Zoological Report. *pp. 114, iv: 16 pls. (col.)* 1857.
Prefatory note [By H. L. Abbot].
No. 1. Fishes. By Dr. C. Girard.
" 2. Zoology. By J. S. Newberry.
" 3. Land Shells. By W. G. Binney.
" 4. Reptiles. By S. F. Baird. [Title only: See Vol. x.]
Appendices. *pp. 64.*
- VII. Report of explorations for . . . routes from San Francisco Bay to Los Angeles, California, west of the coast range, and from the Pimas Villages on the Gila, to the Rio Grande, near the thirty-second parallel . . . By . . . J. G. Parke assisted by A. H. Campbell. 1854-55.
Introduction. *pp. 15.*
Pt. I. General Report. *pp. 42: 3 pls.* 1857.
" II. Geological Report. By T. Antisell. (Report on the Paleontology of the Survey. By T. A. Conrad.) *pp. 244: 24 pls., 2 maps geol. col.* 1856.
" III. Botanical Report. By J. Torrey. (Synoptical tables of Botanical Localities. By T. Antisell.) *pp. 28: 8 pls.* 1856.
Appendices. *pp. 116: 11 pls.*
Conclusion of the official review of the reports upon the explorations and surveys for . . . routes, &c. *pp. 37.* 1855-57.
- VIII. General report upon the Zoology of the several . . . routes. 1857.
Introduction. *pp. i-xciii.*
Pt. I. Mammals. By S. F. Baird. *pp. xix-xviii, 767: pls. xvi-ix, text illust.* 1857.
IX. " II. Birds. By S. F. Baird . . . J. Cassin and G. N. Lawrence. *pp. lvi, 1005.* 1858.
X. " III. Reptiles. By S. F. Baird. *pp. 16: 13 pls.* 1859.
" IV. Fishes. By C. Girard. *pp. xiv, 400: 21 pls.* 1858.
- Report of . . . E. G. Beckwith . . . upon explorations for a . . . route, near the thirty-eighth and thirty-ninth parallels . . . and near the forty-first parallel. 1854.
[Continued from Vol. II.]
Zoological Report. *pp. 27 [1]: 20 pls.* 1857.
No. 2. Mammals. By S. F. Baird.
" 3. Birds. By S. F. Baird.
" 4. Reptiles. By S. F. Baird.
" 5. Fishes. By C. Girard.
[Insects, by J. L. Leconte, were to have been issued with this Report and are mentioned in the Contents of some copies, but do not appear to have been included.]
- Report of explorations for a . . . route near the thirty-fifth parallel . . . by . . . A. W. Whipple . . . assisted by . . . J. C. Ives. 1853-54.
[Continued from Vol. IV.]
Pt. VI. Zoological Report. *pp. 64: 34 pls. (col.)* 1859.
No. 2. Mammals. By C. B. R. Kennerly.
" 3. Birds. By C. B. R. Kennerly.
" 4. Reptiles. By S. F. Baird.
" 5. Fishes. By C. Girard.
- Report of explorations for a . . . route near the 32d parallel . . . By . . . J. G. Parke. 1855.
[Continued from Vol. II.]
Zoological Report. *pp. 24: 4 pls. (col.)* 1859.
Introductory Letter. By A. L. Heermann.
No. 1. Birds. By A. L. Heermann.
" 2. Reptiles. By E. Hallowell.
- Report of explorations in California . . . By . . . R. S. Williamson. 1853.
[Continued from Vol. V.]
Pt. IV. Zoological Report. *pp. 97: 26 pls. (col.)* 1859.
Introductory Letter. By A. L. Heermann.
No. 1. Reptiles. By E. Hallowell.
" 2. Birds. By A. L. Heermann.
" 3. Mammals. By S. F. Baird.
" 4. Fishes. By C. Girard.
- Report of . . . H. L. Abbott, &c. 1855.
[Continued from Vol. VI.]
Pt. IV. Zoological Report.
No. 4. Reptiles. By S. F. Baird. *pp. 13: 4 pls.* 1857.

[United States.—PACIFIC RAILROAD SURVEY. (contd.)]
[Reports of explorations and surveys, &c. (contd.)]

- Vol.
 XI. Memoir to accompany the map of the Territory of the United States from the Mississippi River to the Pacific Ocean . . . By . . . G. K. Warren. pp. 120 : 4 maps. 1859.
 Topographical maps, profiles, and sketches to illustrate the various reports, &c. pp. iv : 13 pls., 32 maps & plans. 1859.

— [Another edition.] 12 Vol. [in 13.]
 4^o. Washington [D.C.], (1853-) 1855-61.

In this edition Vol. XI is dated 1861, and differs in the setting and pagination; while the supplement to Vol. I, reprinted and with the plates re-drawn, is styled Vol. XII and issued in two volumes as under:—

- Vol.
 XII. Narrative and final report of explorations for a route . . . Book 1. near the forty-seventh and forty-ninth parallels . . . from St. Paul to Puget Sound. By I. I. Stevens. [For 1st report, See Vol. I.] 1855.
 Introduction.
 Pl. 1. General Report, Appendices and Index. pp. 358, 41 : 71 pls. col., 8 maps. 1860.
 Book 2. " II. Botanical Report. pp. 76 : 6 pls. 1860.
 No. 1. Botany. By J. G. Cooper.
 " 2. Catalogue of the Plants collected east of the Rocky Mountains. By A. Gray.
 " 3. Catalogue of the Plants collected in Washington Territory. By J. G. Cooper.
 " III. Zoological Report. pp. viii [i.] 399 : 47 pls. (col.) 1860.
 No. 1. Insects. By J. T. [i.e. J. L.] Leconte.
 " 2. Mammals. By J. G. Cooper, G. Suckley, and G. Gibbs.
 " 3. Birds.
 " 1. Land Birds. By J. G. Cooper.
 " II. Water Birds. By G. Suckley.
 " 4. Reptiles. By J. G. Cooper.
 " 5. Fishes. By G. Suckley.
 " 6. Mollusca. By W. Cooper.
 " 7. Crustacea. By J. G. Cooper.

— [For a re-issue of Vol. I, suppt. pt. II & III] See SUCKLEY (G.) & COOPER (J. G.) The Natural History of Washington, &c. 4^o. 1860.

— [For a re-issue of Vol. v, pt. II] See BLAKE (W. P.) Report of a geological reconnaissance in California, &c. 4^o. 1858.

— [For a re-issue of Vol. VIII] See BAIRD (S. F.) The Mammals of North America, &c. 4^o. 1859.

— [For a re-issue of Vol. IX, with additions] See BAIRD (S. F.) The Birds of North America, &c. 4^o. 1860.

UNITED STATES.—PUBLIC HEALTH AND MARINE-HOSPITAL SERVICE.

Publications, &c. pp. 35. 8^o. Washington [D.C.], 1912.

United States.—PUBLIC HEALTH AND MARINE-HOSPITAL SERVICE.—Hygienic Laboratory.

Bulletin No. 62 . . . The taxonomic value of the microscopic structure of the stigmal plates in the Tick genus *Dermacentor*, &c. See STILES (C. W.) 8^o. 1910.

United States.—PUBLIC HEALTH AND MARINE-HOSPITAL SERVICE.

The Rat and its relation to the Public Health. By various authors. pp. 254 : 6 pls., text illust. 8^o. Washington [D.C.], 1910.

UNITED STATES.—SURGEON-GENERAL'S OFFICE, U.S. ARMY.

Index-Catalogue of the Library . . . Authors and Subjects. Vol. I-XVI. 4^o. Washington, 1880-95.

— Second Series. Vol. I-→ 8^o. Washington, 1896-→

Alphabetical list of abbreviations of titles of medical periodicals employed in the Index-Catalogue, &c. 4^o. Washington, 1895.

UNITED STATES.—UNITED STATES & MEXICAN BOUNDARY SURVEY.

Report . . . By W. H. Emory. 2 Vol. illust.

4^o. Washington, 1857-59.

House of Representatives : 34th Congr., 1st Sess., Ex. Doc. No. 185.

Vol. I. Pt. I. [General Report] pp. xvi, 258 : 54 pls. (col.), 1 map, text illust. (1857)

" 2. Geological Reports of C. C. Parry and A. Schott.—Notes by W. H. Emory.—Paleontology and Geology . . . by J. Hall.—Description of Cretaceous and Tertiary Fossils by J. A. Conrad. pp. 174 : 21 pls., text illust.

Vol. II. " 1. Botany. Introduction by C. C. Parry.—Botany . . . By J. Torrey. pp. 296 : 61 pls.

Cactaceae . . . By G. Engelmann. pp. 78 : 76 pls.

" 2. Zoology. Mammals . . . By S. F. Baird. pp. 62 : 27 pls.

Birds . . . by S. F. Baird. pp. 52 : 25 pls.

Reptiles . . . By S. F. Baird. pp. 35 : 41 pls.

Ichthyology . . . by C. Girard. pp. 85 : 41 pls.

For a re-issue of Vol. II, pt. 2. Mammals, See BAIRD (S. F.) The Mammals of North America. 4^o. 1859.

UNITED STATES. [Maps.]

Map of a reconnaissance between Fort Leavenworth on the Missouri River, and the Great Salt Lake . . . Utah, made in 1849 and 1850 . . . by Capt. H. Stansbury, &c. Scale 1 : 1,000,000 [i.e. 1 in. = 15 $\frac{1}{2}$ m. about]. See STANSBURY (H.) An expedition to the Valley of the Great Salt Lake of Utah, &c. s.sh. 1852.

United States. [Maps.]

A Geological Map of the United States [Scale 1 in. = 103 m. about], &c. See MARCOU (J.) s.sh. 1853.

United States. [Maps.]

Map of the Territory of the United States from the Mississippi to the Pacific Ocean . . . Compiled . . . by . . . G. K. Warren. Scale 1 : 3,000,000 [i.e. 1 in. = 47 $\frac{1}{2}$ m. about]. See UNITED STATES.—PACIFIC RAILROAD SURVEY. Reports, &c. Vol. XI. 4^o. 1854-57.

This is accompanied by topographical maps (on larger scale), with profiles and sketches to illustrate the various reports.

United States. [Maps.]

Geological Map of the United States and British North America . . . by H. D. Rogers. Scale 1 in. = 160 m. s.sh. col. Boston, 1855.

K. Johnston's Physical Atlas. Pl. VII.

Presentation copy, with the compiler's autograph, to Sir R. Owen.

United States. [Maps.]

Colton's new Railroad Map of the States of Ohio, Michigan, Indiana, Illinois, Missouri, Wisconsin & Iowa. Minnesota, Nebraska, & Kansas showing the township lines of the United States Surveys. [Scale 1 in. = 35 m.] s.sh. col. New York, 1861.

The names of the last three States have obviously been added on the present plate.

United States. [Maps.]

Geological Map of the United States. Compiled . . . by C. H. Hitchcock and W. P. Blake, &c. [Scale 1 in. = 90 m.] s.sh. col. [New York,] 1872.

United States. [Maps.]

Rand McNally & Co.'s new railroad and county map of the United States and [a portion of] Canada . . . Approximate Scale 32 miles to one inch. 3 sh. Chicago, 1886.

United States. [Maps.]

Map of the United States and territories, with adjacent parts of Canada and Mexico, also part of the West India Islands . . . Compiled . . . [By] A. F. Dinsmore, &c. [Scale 1 in. = 40 m. about.] 6 sh. col. [Washington, D.C.] 1892.

United States. [Maps.]

Rand, McNally & Co.'s Indexed Atlas of the World, &c. Vol. II, 78 maps col. fol. Chicago & New York (1899),

United States. [Maps.]

Map of the Mining districts of the Western States, compiled by W. Lindgren. Assisted by J. M. Hill, V. C. Heikes, C. Naramore, and A. N. Winchell. . . . Scale 1:2,500,000, approximately 40 miles to 1 inch. s.sh. (col.) See supra, GEOLOGICAL SURVEY. Mineral Resources of the United States . . . 1907. Pt. I. 8°. 1908.

United States. [Maps.]

[For Geological and other special maps of the United States, See supra, under the different Surveys.]

UNITED STATES CENTENNIAL EXHIBITION, 1876.

See PHILADELPHIA.—*International Exhibition, 1876.*

UNITED STATES NATIONAL MUSEUM.

[1878 The collections of the Smithsonian Institution were formed into a separate department as the *United States National Museum*.]

Annual Report, &c. 1884→ See SMITHSONIAN INSTITUTION. Annual Report, &c. 1884→ 8°. 1885→ Issued as annual volumes supplemental to the "Annual Reports" of the Institution: the first being styled "Report," &c. Prior to 1884 the reports on the collections were incorporated in the "Annual Reports" of the Institution.

United States National Museum.

Bulletin, &c. No. 1→ 8°. *Washington [D.C.]*, 1875→ Each number contains a separately-paged paper. No. 1-16 were also issued in the "Smithsonian Miscellaneous Collections."

United States National Museum.

Proceedings, &c. Vol. I→ 8°. *Washington [D.C.]*, 1879→ Vol. I-IV were also issued in the "Smithsonian Miscellaneous Collections."

United States National Museum.

Special Bulletin. No. 1→ 4°. *Washington [D.C.]*, 1892→

United States National Museum.

Contributions from the United States National Herbarium. Vol. VIII→ *illust.* 8°. *Washington [D.C.]*, 1903→ Vol. I-VII, 1890-1902, were published by the United States Department of Agriculture.—Botany Division [q.v.].

United States National Museum.

A List of the Publications of the . . . Museum (1875-1900), &c. See supra, Bulletin, &c. No. 51. 8°. 1902.

United States National Museum.

Catalogue of the Aquatic and Fish-eating Birds.—Catalogue of the Economic Mollusca and the . . . appliances used in their capture, &c.—Catalogue of the collections of Fishes.—Catalogue of the Aquatic Mammals exhibited by the . . . Museum. See LONDON.—*Great International Fisheries Exhibition, 1883.* United States of America. Catalogues C, D, F, H. 8°. 1883.

United States National Museum.

The Apodous Holothurians: a monograph of the Synaptidae and Molpadiidae, including a report on the representatives of these families in the Collections of the . . . Museum. By H. L. Clark. pp. 231: 13 pls. (col.), text *illust.* See SMITHSONIAN INSTITUTION. Smithsonian Contributions to Knowledge. (No. 1723.) Vol. xxxv. 4°. 1907.

United States National Museum.

Catalogue of the Type-specimens in the . . . Museum, including the Biological Survey Collection. By M. W. Lyon, Jr. . . . and W. H. Osgood. pp. ix [i], 325. See supra, Bulletin 64. 8°. 1909.

United States National Museum.

North Pacific Ophiurans in the Collection of the . . . Museum. By H. L. Clark. pp. xvi, 302: text *illust.* See supra, Bulletin No. 76. 8°. 1911.

United States National Museum.

List of North American Land Mammals in the United States National Museum, 1911. pp. xiv, 455, 3. See supra, Bulletin No. 79. 8°. 1912.

UNIVERSIDAD CENTRAL DE VENEZUELA. See CARACAS.**UNIVERSIDAD DE CHILE.**

See SANTIAGO, Chile.

UNIVERSIDAD NACIONAL DE CÓRDOBA.

See CORDOVA.

UNIVERSIDAD NACIONAL DE LA PLATA.

See LA PLATA, Town of.—UNIVERSITY.

UNIVERSIDADE DE COIMBRA.

See COIMBRA.

UNIVERSITÀ TOSCANE.

See PISA.—REGIA UNIVERSITÀ DEGLI STUDI.

UNIVERSITÄT STRASSBURG.

See STRASBURG.—KAISER-WILHELMS UNIVERSITÄT.

UNIVERSITÄT ZU KIEL.

See KIEL.—KOENIGLICHE CHRISTIAN-ALBRECHTS UNIVERSITÄT.

UNIVERSITAS CONIMBRICENSIS.

See COIMBRA.—UNIVERSIDADE DE COIMBRA.

UNIVERSITAS FRANCOFURTANA.

See FRANKFORT ON THE ODER.

UNIVERSITAS FRIDERICIANA.

See HALLE.—FRIEDRICHS-UNIVERSITÄT.

UNIVERSITAS HAVNIENSIS.

See COPENHAGEN.—KJØBENHAVNS UNIVERSITET.

UNIVERSITAS LUNDENSIS.

See LUND.—KAROLINSK UNIVERSITET.

UNIVERSITAS REGIA FREDERICIANA.

See CHRISTIANIA.—KONGELIGE FREDERIKS UNIVERSITET.

UNIVERSITAS RUPERTO CAROLINA.

See HEIDELBERG.—GROSSHERZOGLICHE RUPRECHT-KARLS-UNIVERSITÄT.

UNIVERSITAS TUBINGENSIS.

See TUBINGEN.—KOENIGLICHE EBERHARD-KARLS-UNIVERSITÄT.

UNIVERSITAS VRATISLAVIENSIS.

See BRESLAU.—KOENIGLICHE UNIVERSITÄT.

UNIVERSITÉ DE L'ÉTAT DE GAND.

See GHENT.

UNIVERSITÉ DE LIÈGE. See LIEGE.**UNIVERSITÉ DE LYON.** See LYONS.**UNIVERSITÉ DE MONTPELLIER.**

See MONTPELLIER.

UNIVERSITY COLLEGE OF NORTH WALES. See BANGOR.**UNIVERSITY COLLEGE OF SHEFFIELD.**

See SHEFFIELD.

UNIVERSITY COLLEGE OF WALES.

See ABERYSTWTH.

UNIVERSITY COLLEGE OF WALES SCIENTIFIC SOCIETY.

List of the Flowering Plants and Ferns of Aberystwyth and neighbourhood, &c. See *SALTER* (J. H.) 8°. [1903 ?]

UNIVERSITY GEOLOGICAL SURVEY OF KANSAS.

See *LAWRENCE*.—UNIVERSITY OF KANSAS.—*Geological Survey*.

UNIVERSITY MAGA, The. [Edited by E. Forbes and J. Percy.] Vol. II, no. 1-12. pp. [ii.] 100 : 13 pls. 8°. *Edinburgh*, (1837-) 1838.

This was Percy's own copy, and contains his notes, as well as the original drawing for one of the illustrations by Forbes.

UNIVERSITY OF CALIFORNIA.

See *BERKELEY*.

UNIVERSITY OF DURHAM PHILOSOPHICAL SOCIETY. [Founded 1896.]

Proceedings, &c. Pt. 1—
8°. *Newcastle-upon-Tyne*, 1898—

University of Durham Philosophical Society.

Memoir No. 1. On a case of Thrust and Crush-Brecciation in the Magnesian Limestone, County Durham. By D. Woolcott . . . pp. 16 : 9 pls., 1 map, text illust. 8°. *Newcastle-upon-Tyne*, 1909.

UNIVERSITY OF ILLINOIS. See *URBANA*.**UNIVERSITY OF JAPAN.**

See *TOKIO*.—TEIKOKU DAIGAKU.

UNIVERSITY OF KANSAS. See *LAWRENCE*.**UNIVERSITY OF MONTANA.**

See *MISSOULA*, *Montana*.

UNIVERSITY OF NEBRASKA.

See *LINCOLN*, *Nebraska*.

UNIVERSITY OF PENNSYLVANIA.

See *PHILADELPHIA*.

UNIVERSITY OF SOUTH DAKOTA.

See *VERMILION*.

UNIVERSITY OF TEXAS. See *AUSTIN*.**UNIVERSITY OF THE CITY OF NEW YORK.**

See *NEW YORK*, *City of*.—*NEW YORK UNIVERSITY*.

UNIVERSITY OF THE STATE OF MISSOURI. See *COLUMBIA*, *Missouri*.**UNIVERSITY OF THE STATE OF NEW YORK.** See *ALBANY*.**UNTERSUCHUNGEN AUS DEM GESAMMTGEBIETE DER MYKOLOGIE.**

Botanische Untersuchungen über Schimmelpilze. (Untersuchungen aus dem Gesamtgebiete der Mykologie.) Von . . . O. Brefeld. Hft. I-IV. 4°. *Leipzig*, 1872-81.

[Continued as:]

Botanische Untersuchungen über Hefenpilze. Fortsetzung der Schimmelpilze. Untersuchungen aus dem Gesamtgebiete der Mykologie von . . . O. Brefeld. Hft. V. 4°. *Leipzig*, 1883.

[Continued as:]

Untersuchungen aus dem Gesamtgebiete der Mykologie. Fortsetzung der Schimmel- und Hefenpilze. Von O. Brefeld. Hft. VI—
4°. *Leipzig & Münster i. W.*, 1884—

UNTERSUCHUNGEN ZUR NATURLEHRE DES MENSCHEN UND DER THIERE, herausgegeben von J. Moleschott. Bd. I-XIII.

8°. *Frankfurt-a.-M. & Giessen*, 1856-88.
Bd. VI-XIII were published at Giessen.

UNVERRICHT (CARL) Anleitung zur Pflanzenkenntniss: ein Handbuch der allgemeinen Botanik und Flora von Deutschland, &c. pp. xl, 812. 12°. *Schweidnitz*, 1842.**UNVERZAGT (CARL WILHELM)** [1830-1885] Technologisches Wörterbuch in Deutscher, Französischer und Englischer Sprache . . . herausgegeben von . . . W. Unverzagt . . . Dritte . . . Auflage. 3 Vol. See *RUMPF (C.) & others*. 8°. 1874-78.**UNWIN (WILLIAM CHARLES)** [1811 ?-1887] Illustrations and dissections of the genera of British Mosses. 23 pls., with descriptive letterpress. fol. *Lewes*, 1878.**UNZER (JOHANN AUGUST)** [1727-1799] Observatio . . . de Tæniis. See *KLEIN (J. T.)* Tentamen Herpetologiae. 4°. 1755.**UPENDRANATH (KANJILAL)** Forest Flora of the School Circle, N.-W.P., being a descriptive list of the indigenous woody Plants of the Saharanpur and Dehra Dûn districts . . . in the North-Western Provinces, with Analyses, &c. pp. xxii, 390. 8°. *Calcutta*, 1902.**UPHAM (WARREN)** [1850-] History of explorations among the White Mountains.—Modified Drift in New Hampshire. See *NEW HAMPSHIRE, State of*.—*Geological Survey*. The Geology of New Hampshire, &c. Pt. I & III. 4°. 1874, 78.**Upham (W.)** Preliminary report on the Geology of central and western Minnesota. See *MINNESOTA, State of*.—*Geological and Natural History Survey*. Annual reports, &c. No. 8. 8°. 1880.**Upham (W.)** Report of progress in exploration of the Glacial Drift and its terminal moraines. See *MINNESOTA, State of*.—*Geological and Natural History Survey*. Annual reports, &c. No. 9. 8°. 1881.**Upham (W.)** Catalogue of the Flora of Minnesota, &c. pp. 193 : 1 map col. See *MINNESOTA, State of*.—*Geological and Natural History Survey*. Annual reports, &c. No. 12. 8°. 1884.**Upham (W.)** Supplement to the Flora of Minnesota. See *MINNESOTA, State of*.—*Geological and Natural History Survey*. Bulletin, &c. No. 3. 8°. 1887.**Upham (W.)** Notes of rock-outcrops in central Minnesota.—Lake Agassiz : a chapter in Glacial Geology. See *MINNESOTA, State of*.—*Geological and Natural History Survey*. Annual reports, &c. No. 11. 8°. 1884.**Upham (W.)** Notes on the Geology of Minnehaha county, Dakota. See *MINNESOTA, State of*.—*Geological and Natural History Survey*. Annual reports, &c. No. 13. 8°. 1885.**Upham (W.)** The upper beaches and deltas of the glacial Lake Agassiz. pp. 84 : 1 pl., text illust. See *UNITED STATES*.—*Geological Survey*. Bulletin, &c. No. 39. Vol. VI. 8°. 1887.**Upham (W.)** The probable cause of Glaciation. See *WRIGHT (G. F.)* The Ice-age in North America, &c. Appendix. 8°. 1890.**Upham (W.)** The Glacial Lake Agassiz. pp. xxiv, 658 : 7 pls., 31 maps col., text illust. See *UNITED STATES*.—*Geological Survey*. Monographs, &c. Vol. XXV. 4°. 1895.

Upham (W.) [For publications in connection with the Survey.] See MINNESOTA, *State of.—Geological and Natural History Survey.*

UPPSALA. See UPSALA.

UPRAVLENIE GHORNOYU CHAST'YU NA KAVKAZSKAGHO KRAYA.

See TIFLIS.—KAVKAZSKOE GHORNAYA UPRAVLENIE.

UPRAVLENIE GHORNOYU CHAST'YU NA KAVKAZE I ZA KAVKAZOM.

See TIFLIS.—KAVKAZSKOE GHORNAYA UPRAVLENIE.

UPSALA.—Academia Upsaliensis.

See infra, KONGLIGA UNIVERSITETET.

UPSALA.—Botaniska Sektionen af Naturvetenskapliga Sällskapet.

[For Proceedings, &c.] See BOTANISKA NOTISER, &c. 1886–1900. 8°. 1885–1900.

After 1900 the accounts of the Society's proceedings were reduced to mere brief notices.

UPSALA.—Kongliga Universitetet. [Founded 1477.]

Årsskrift. 1861–1883 (Parts of 1885, 1888, 1889, 1890, 1892, 1893, 1896, 1897) & 1906–07. 8°. Upsala & Stockholm, 1861–1907.

Each memoir is separately pagged.

— Innehållsförteckning . . . 1861–1870.

Issued with the volume for 1871. 8°. Upsala, 1871.

— 1907. Skrifter med anledning af Linnéfesten. 2 Bd. 8°. Upsala, 1907.

Upsala.—Kongliga Universitetet.

Årsskrift. Festskrifter. 1877. 6°. Upsala, 1877.
Each paper is separately pagged.

Upsala.—Kongliga Universitetet.

Upsala Universitetet 1872–1897. Festskrift, &c. 3 Pt. *illust.* 4°. Upsala, 1897.

Upsala.—Kongliga Universitetet.

Till Kungl. Vetenskaps-Societeten i Uppsala vid dess 200-års-jubileum af Uppsala Universitet den 19. November, 1910. *pp.* 69 : 1 *pl.*, 1 *port.* 4°. Upsala, 1910.

Contains 1—

E. Swedenborg's investigations in Natural Science and the basis for his statements concerning the functions of the Brain. By M. Ramström.

Upsala.—Kongliga Universitetet.

[*Botanic Garden.*] Hortus Upsaliensis, quem . . . sub præsidio . . . C. Linnæi . . . subjiicit S. Naucier, &c. See LINNÆUS (C.) [*Theses & Orations.*] 4°. [1745.]

— [Another edition.] See LINNÆUS (C.) [*Theses & Orations.*] C. Linnæi . . . Amoenitates Academicæ, &c. Vol. I, no. 7. 8°. 1749.

— — [Another edition.] Vol. I [no. 2]. 8°. 1749.

— — Editio tertia. Vol. I, no. 7. 8°. 1787.

Upsala.—Kongliga Universitetet.

[*Botanic Garden.*] Beschreibung des Botanischen Gartens zu Upsal. See LINNÆUS (C.) [*Theses & Orations.*] Des Ritter C. von Linné Auserlesene Abhandlungen aus der Naturgeschichte, &c. Bd. III, no. 2. 8°. 1778.

Upsala.—Kongliga Universitetet.

[*Botanic Garden.*] C. Linnæi . . . Hortus Upsaliensis exhibens Plantas exoticas Horto Upsaliensis Academiae a se illatas, &c. See LINNÆUS (C.) [*Botanical Works.*] 8°. 1748.

Upsala.—Kongliga Universitetet.

[*Botanic Garden.*] Demonstrationes Plantarum in Horto Upsaliensi 1753, quas . . . præside . . . C. Linnæo . . . offert J. C. Höjer, &c. [*Theses & Orations.*] See LINNÆUS (C.) 4°. [1753.]

Upsala.—Kongliga Universitetet.

[*Botanic Garden.*] C. Linnæi Fil. . . Decas prima (—secunda) Plantarum rariorum Horti Upsaliensis, &c. 2 Pt. See LINNÉ (C. VON) the Younger. fol. 1762 (–63).

Upsala.—Kongliga Universitetet.

[*Botanic Garden.*] Horti Upsaliensis Plantæ cultæ 1780–1800, &c. 7 Pt. See THUNBERG (C. P.) 4°. [1803–11.]

Upsala.—Kongliga Universitetet.

[*Botanic Garden.*] Horti Upsaliensis Plantæ cultæ ab initio sæculi, &c. 9 Pt. See THUNBERG (C. P.) 4°. [1826.]

Upsala.—Kongliga Universitetet.

[*Botanic Garden.*] Historisk underrättelse om Upsala Universitets Botaniska Trädgård, 1836. See WAHLENBERG (G.) 8°. [1837.]

Upsala.—Kongliga Universitetet.

[*Botanic Garden.*] Linnéminnen i Upsala Botaniska Trädgård. Kritisk undersökning, af F. R. Kjellman. *pp.* 33 : 3 *pls.*, text *illust.* See STOCKHOLM.—KONGLIGA SVENSKA VETENSKAPS-AKADEMIEN. Arkiv för Botanik, &c. Bd. III, no. 7. 8°. 1904.

— Antikritik, af T. M. Fries. *pp.* 45. See *Op. cit.* Bd. IV, no. 5. 8°. 1905.

Upsala.—Kongliga Universitetet.

[*Botanic Garden.*] Einige wildwachsende Taraxaca aus dem Botanischen Garten zu Upsala. Von H. Dahlstedt. See SERNANDER (J. R.) & others. Botaniska Studier. Tillägnade F. R. Kjellman, &c. 8°. 1906.

Upsala.—Kongliga Universitetet.

[*Linné Bicentenary.*] Invitation du Recteur pour assister aux fêtes du Bicentenaire de Linné le 23 et le 24 Mai, 1907. Cette invitation est suivie des "Vorlesungen über die Cultur der Pflanzten" de Linné [edited by M. B. Swederus]. *pp.* 15, viii, 107. 8°. Upsala, 1907.

The section "Vorlesungen" was also issued as "Upsala Univ. Årsskrift 1907. Linnéfest-Skrifter. Bd. I."

Upsala.—Kongliga Universitetet.

[*Linné Bicentenary.*] Inbjudning till Teologie Doktors promotionen . . . den 24 Maj, 1907 . . . Bifogad Skrift : Studier öfver Salices i Linnés Herbarium af S. J. Enander. *pp.* 138, 28 : 2 *pls.* 8°. Upsala, 1907.

The title on the wrapper is in French.

The plates are reproductions of the "Flora Lapponica," plates vii & viii. The "Bifogad Skrift" was also issued as :—"Upsala Univ. Årsskrift 1907. Linnéfest-Skrifter. Bd. I."

Upsala.—Kongliga Universitetet.

[*Linné Bicentenary.*] Inbjudning till Juris utriusque Doktors promotionen . . . den 24 Maj, 1907 . . . Bifogade Skrifter : Pluto Svecicus och Beskrifning öfver Stenriket [by C. Linnæus], utgifna af C. Benedicks. *pp.* xvii, 48, vii, 91, 10 : 3 *pls.* 8°. Upsala, 1907.

The title on the wrapper is in French.

The "Bifogade Skrifter" were also issued as :—"Upsala Univ. Årsskrift 1907. Linnéfest-Skrifter. Bd. I."

Upsala.—Kongliga Universitetet.

[*Linné Bicentenary.*] Inbjudning till Medicine Doktors promotionen . . . den 24 Maj, 1907 . . . Bifogad Skrift : Linnés Dietetik. *pp.* viii, 167, 248, 15 : 1 *pl.* 8°. Upsala, 1907.

The title on the wrapper is in French.

The "Bifogad Skrift" was also issued in :—"Upsala Univ. Årsskrift 1907. Linnéfest-Skrifter. Bd. II."

Uppsala.—Kongliga Universitetet.

[*Linné Bicentenary.*] Inbjudning till Filosofie Doktors promotionen . . . den 24 Maj, 1907 . . . Bifogad Skrift: Linnæi methodus Avium Svecicarum af E. Lönnberg. pp. 96, 56 : 1 pl. 8°. Uppsala, 1907.

The title on the wrapper is in French.
The "Bifogad Skrift" was also issued in :—"Uppsala Univ. Årsskrift 1907. Linnéfest-Skrifter. Bd. II."

Uppsala.—Kongliga Universitetet.

[*Linné Bicentenary.*] Linné och Växtodlingen af M. B. Swederus. (Tal om Planterings nytta och nödvändighet i synnerhet på slättbygden i Öster-Göthland . . . af E. O. Rydbeck.) pp. 102. 8°. Uppsala, 1907.

Uppsala Univ. Årsskrift, 1907, Linnéfest-Skrifter. Bd. II.

Uppsala.—Kongliga Universitetet.

[*Linné Bicentenary.*] Linnéporträtt. Vid Uppsala Universitets minnesfest på tvåhundraårsdagen af C. von Linnés födelse. Å Universitetets vägnar af T. Tullberg. pp. 187 : 21 pls. (1 col.), text illust. 4° Stockholm, 1907.

Uppsala.—Kongliga Universitetet.

[*Mineralogico-geological Institute.*] Meddelanden från . . . Universitets Mineralogisk-Geologiska Institution. No. 1—> 8°. Stockholm, 1891—>

Many of the numbers contain separately-paged papers, extracted from the "Geol. Fören. i Stockholms Förhandl."

Uppsala.—Kongliga Universitetet.

[*Mineralogico-geological Institute.*] Bulletin of the Geological Institution of the University . . . Edited by H. Sjögren. Vol. I—> 8°. Uppsala, 1893—>

— Index to . . . Vol. I—x (1893—1910), with an Appendix, &c. 8°. Uppsala, 1910.

Uppsala.—Kongliga Universitetet.

[*Museums.* For Lists of Specimens.] See THUNBERG (C. P.) 4°. [1787—1827.]

Uppsala.—Kongliga Universitetet.

[*Zoological Museum.*] Redogörelse för den Japanska Fisksamlingen i . . . Museum af E. Nyström. pp. 54. See STOCKHOLM.—KONGLIGA SVENSKA VETENSKAPS-AKADEMIEN. Bihang till . . . Handlingar. Bd. XIII, afd. IV, no. 4. 8°. 1887.

Uppsala.—Kongliga Universitetet.

[*Zoological Museum.*] Einige Muriceiden der Gattungen *Achanthogorgia* [sic], *Paramuricea* und *Echinomuricea* im Zoologischen Museum . . . Von T. Hedlund. pp. 18 : 3 pls. See STOCKHOLM.—KONGLIGA SVENSKA VETENSKAPS-AKADEMIEN. Bihang till . . . Handlingar. Bd. XVI, afd. IV, no. 6. 8°. 1890 (1891).

Uppsala.—Kongliga Universitetet.

[*Zoological Museum.*] Leptocephalids in the . . . Museum, &c. See STRÖMMAN (P. H.) 8°. 1896.

Uppsala.—Kongliga Universitetet.

[*Zoological Museum.*] Ueber aussereuropäische Hydroiden des Zoologischen Museums . . . Von E. Jäderholm. pp. 20 : 2 pls. See STOCKHOLM.—KONGLIGA SVENSKA VETENSKAPS-AKADEMIEN. Bihang till . . . Handlingar. Bd. XXI, afd. IV, no. 6. 8°. 1896.

Uppsala.—Kongliga Universitetet.

[*Zoological Museum.*] Linnæan type-specimens of Birds, Reptiles, Batrachians and Fishes in the . . . Museum . . . Revised by . . . E. Lönnberg. pp. 45. See STOCKHOLM.—KONGLIGA SVENSKA VETENSKAPS-AKADEMIEN. Bihang till . . . Handlingar. Bd. XXII, afd. IV, no. 1. 8°. 1896 (1897).

Uppsala.—Kongliga Universitetet.

[*Zoological Museum.*] Alcyonarien aus der Sammlung des . . . Museums . . . Von J. A. Z. Brundin. pp. 22 : 2 pls. See STOCKHOLM.—KONGLIGA SVENSKA VETENSKAPS-AKADEMIEN. Bihang till . . . Handlingar. Bd. XXII, afd. IV, no. 3. 8°. 1896 (1897).

UPSALA.—Kongliga Vetenskaps-Societeten.

[1710 Founded as *Collegium Curiosorum*.
1719 *Societas Litteraria Suecica*.
1728 *Societas Regia Litteraria et Scientiarum*.
1742 { *Societas Regia Scientiarum Upsaliensis*.
[*Kongliga Vetenskaps-Societeten i Uppsala.*]

Acta literaria (et scientiarum) Sveciæ. Vol. I—IV. 1720—1739. 4°. *Upsaliæ & Stockholm* [1720 ?—] 1738—42.

Vol. III is in five separately-paged parts, or annual volumes.

[Continued as :]

Acta, &c. 1740—1750. 5 Vol. [in I.] 4°. *Stockholm*, 1744—51.

[Continued as :]

Nova Acta, &c. Vol. I—XIV. 4°. *Upsaliæ*, 1773—1850.

— Ser. III, vol. I—XX. 4°. *Upsaliæ*, 1855—1904.

In Vol. IV—XX each memoir is separately paged.

— Ser. IV, vol. I—> 4°. *Uppsala*, 1905—>

Each memoir is separately paged.

Uppsala.—Kongliga Vetenskaps-Societeten.

Nova Acta . . . Volumen extra ordinem editum (In memoriam quattuor seculorum ab Universitate Upsaliensi peractorum). 4°. *Upsaliæ*, 1877.

Contains, inter alia :—

- No. 1. Essai sur la Société Royale des Sciences d'Upsal et ses rapports avec l'Université d'Upsal. Par O. Glas. pp. 99.
- " 2. Analyse des Fleisches einiger Fische. Von A. Almén. pp. 59.
- " 3. Polyblastia Scandinavica. Descriptis T. M. Fries. pp. 23.
- " 9. J. Franckenii Botanologia nunc primum edita, prefatione historica, annotationibus criticis, nomenclatura Linnæana illustrata a R. F. Fristedt. pp. 140.
- " 12. Ueber die Algenvegetation des Murmanschen Meeres an der Westküste von Nowaja Semlja und Wajgatsch. Von F. R. Kjellman. pp. 86 : 1 pl.
- " 13. Synopsis Crustaceorum Svecicorum ordinis Branchiopodorum et subordinis Phyllopodorum. Auctore V. Liljeborg. pp. 20.
- " 14. Kritische Bemerkungen über die Weiden Nowaja Semjas und ihren genetischen Zusammenhang. Von A. N. Lundström. pp. 44 : 1 pl. col.
- " 15. Untersuchungen über Chlorsalze und Doppelnitrite des Platins. Von L. F. Nilson. pp. 90.
- " 16. Sur la recherche des Mines de Fer à l'aide de mesures magnétiques, par R. Thalén. pp. 36 : 1 pl.
- " 17. Note sur quelques Holothurides des mers de la Nouvelle Zemble. Par H. Théel. pp. 18 : 2 pls.
- " 18. Ueber die Byssus des *Mytilus edulis*. Von T. Tullberg. pp. 9 : 1 pl.
- " 19. On the development and systematic arrangement of the Pithophoraceæ, a new order of Algae, by V. B. Wittrock. pp. 80 : 6 pls.

Uppsala.—Kongliga Vetenskaps-Societeten.

Årsskrift, &c. Årg. I & II.† 8°. *Uppsala*, 1860—61.

Uppsala.—Kongliga Vetenskaps-Societeten.

Catalogue méthodique des Acta et Nova Acta [and Årsskrift] . . . 1744—1889, &c. 4°. *Uppsala* (1889).

Uppsala.—Kongliga Vetenskaps-Societeten.

Katalog öfver K. Vetenskaps-Societetens utställning af Linné-Porträtt. pp. 14 : text illust. 8°. *Uppsala*, 1907.

Uppsala.—Kongliga Vetenskaps-Societeten.

Bibliographia Linnæana : Matériaux pour servir à une bibliographie Linnéenne. Recueillis par J. M. Hulth. Pt. I—> 8°. *Uppsala*, 1907—>

Uppsala.—Kongliga Vetenskaps-Societeten.

Till Kungl. Vetenskaps-Societeten i Uppsala vid dess 200-års-jubileum af Uppsala Universitet den 19. November, 1910. See supra, KONGLIGA UNIVERSITETET. 4°. 1910.

Upsala.—Kongliga Vetenskaps-Societeten.

Kungliga Vetenskaps Societeten . . . Tvåhundraårs-minne, &c. pp. 73 [vi.], 138, 16 [7]: 10 pls., 8 port.
8°. Upsala, 1910.

Contains:—

- i. Minnesskrift vid Tvåhundraårsfesten d. 19 November, 1910, af N. C. Dunér.
- ii. Protokoll af 1711.—Stadgar af 1719 och 1728.
- iii. Dædalus Hyperboreus: facsimile.

Upsala.—Kongliga Vetenskaps-Societeten.

Bicentenaire de la Société . . . Par N. C. Dunér. pp. 62.
See supra, Nova Acta, &c. Ser. IV, vol. iii, no. 1.
4°. 1911.

Upsala.—Kongliga Vetenskaps-Societeten.

[Autograph] Beskrifning öfver en resa på Kongl. Vetenskaps Societeten's uti Upsala, men i synnerhet Wälb. Herr . . . Linnæi anmodan år 1749 om sommaren förättad, till Lapsk fjällarne äfvan Luleå stad. See MONTIN (L.) 4°. []

UPSALA.—Linnéskas Institutet.

[Founded 1800 as Societas pro Historia Naturali; afterwards, Linnéskas Institutet.]

Linnéskas Institutets Skrifter. Första häftet (tryckt i Uppsala 1807.) Med fullständig text och inledning. Ånyo utgifvet. pp. iv, 23: 2 pls., text illust.

8°. Uppsala, 1906.

The first sheet and the two plates were printed in 1807, but never published. The original MS. having been found, the complete work was issued for the first time in 1906.

UPSALA.—Regia Academia Upsaliensis.

See supra, KONGLIGA UNIVERSITETET.

UPSALA.—Regia Societas Scientiarum.

See supra, KONGLIGA VETENSKAPS-SOCIETETEN.

UPSALA.—Societas Regia Scientiarum.

See supra, KONGLIGA VETENSKAPS-SOCIETETEN.

UPSALA.—Zoologisches Museum.

See supra, KONGLIGA UNIVERSITETET.

URAL MOUNTAINS. [Maps.]

Karte vom Ural Gebirge. Gegründet auf die astronomischen Beobachtungen von Wischnewsky, Schubert, A. v. Humboldt, A. Erman, und auf handschriftliche Spezialkarten. Maassstab = 1:2,000,000 [i.e. 1 in. = 31½ m. about]. s.sh. col. Gotha, 1837.

Forming No. 19 of "Berghaus' Atlas von Asien," and also Pl. xi of G. Rose's "Mineralogisch-geognostische Reise nach dem Ural," &c. Bd. i.

Ural Mountains. [Maps.]

Carte Géologique du versant occidental de l'Oural, par V. de Möller [i.e. V. J. Meller] . . . Échelle à 1:840,000 [i.e. 1 in. = 13 m. about]. s.sh. col. [St. Petersburg?] 1869.

Ural Mountains. [Maps.]

Gheologicheskaya Karta vostochnago sklona Urala. Sost. A. Karpinski, &c. Geologische Karte des Ostabhanges des Urals (mit Ausnahme des Centralgebirges). Von A. Karpinsky. Maassstab 1:420,000 [i.e. 1 in. = 6½ m. about]. 3 sh. col. S. Peterburgh, 1884.

URAL'SKOE OBSHCHESTVO LYUBITELEI ESTESTVOZNANIYA. See EKATERINBURG.**URANIE, French Corvette.** Voyage autour du Monde

. . . sur . . . l'Uranie . . . pendant . . . 1817-20, &c. See FRANCE. [Voyages, &c.—Uranie & Physicienne.] 4°. & fol. 1824-42.

URBAIR (BERNHARD VON WUELLERSTORF-) Baron.

See WUELLERSTORF-URBAIR.

URBAN (IGNATZ) [1848-] Ueber Keimung, Blüten- und Fruchtbildung bei der Gattung *Medicago*. Botanische Inaugural-Dissertation, &c. pp. [iv.], 35.
8°. Berlin, 1873.

Urban (I.) Vitæ itineraque Collectorum Botanicorum, notæ Collaboratorum biographicae, Floræ Brasiliensis ratio edendi chronologica, Systema, Index familiarum. (—Umbelliferae.—Moringaceæ.—Humiraceæ et Lineæ.—Turneraceæ.—Loasaceæ.) See MARTIUS (C. F. P. VON) Flora Brasiliensis, &c. Vol. i, pt. 1; xi, pt. 1; xii, pt. 1 & 2; xiii, pt. 3. fol. 1877-1906.

Urban also edited the work from fasc. c. 1887.

Urban (I.) Monographie der Familie der Turneraceen. pp. 152: 2 pls. 8°. Berlin, 1883.

Reprinted from "Jahrbuch Egl. botan. Gartens & botan. Museums Berlin," Bd. ii [q.v. under BERLIN.—K. FRIEDRICH-WILHELMS-UNIVERSITÄT].

Urban (I.) G. Engelmann. [Obituary Notice.]

8°. [Berlin,] 1884.

Beichte Deutsch. Bot. Gesell. Bd. ii. pp. xii-zv.

Urban (I.) George Bentham. [Memoir.]

8°. [Berlin,] 1884.

Berichte Deutsch. Bot. Gesell. Bd. ii. pp. xvi-xxi.

Urban (I.) Jahrbuch des K. Botanischen Gartens . . . Herausgegeben von . . . I. Urban. Bd. iii-v. See BERLIN.—KOENIGLICHE FRIEDRICH-WILHELMS-UNIVERSITÄT.—Botanischer Garten. 8°. 1884-89.

Urban (I.) Führer durch den Königlich Botanischen Garten, &c. See BERLIN.—KOENIGLICHE FRIEDRICH-WILHELMS-UNIVERSITÄT.—Botanischer Garten. 8°. 1887.

Urban (I.) Biographische Skizzen. i. Friedrich Selow (1789-1831). 8°. Leipzig, 1893.

Engler's Botan. Jahrb. Bd. xvii, pp. 177-198.

Urban (I.) [Turneraceæ and Caricaceæ of East Africa.] See DEUTSCH-OST-AFRIKA, &c. Bd. v, tnl. c. 8°. 1895.

Urban (I.) Symbolæ Antillanæ, seu fundamenta Floræ Indiæ Occidentalis. Vol. i→ 8°. Berolini, &c. 1898→

Urban (I.) Monographia Loasacearum. pp. iv, 384: 3 pls. See ACADEMIA CÆSAREA LEOPOLDINO-CAROLINA, &c. Nova Acta, &c. Tom. LXXVI, no. 1. 4°. 1900.

Urban (I.) Festschrift zur Feier des siebenzigsten Geburtstages des . . . Dr. P. Ascherson (4. Juni 1904) . . . Herausgegeben von I. Urban und P. Graebner. pp. [iv.], lii, 568: 1 pl. col., 1 port., text illust. 8°. Leipzig, 1904.

Urban (I.) [For official publications] See BERLIN.—KOENIGLICHE FRIEDRICH-WILHELMS-UNIVERSITÄT.—Botanischer Garten.

URBANA.—University of Illinois. [Founded 1867.]

The University Studies. Vol. iii, no. 2. pp. 56: 4 pls., 1 text illust. 8°. Urbana & Champaign, 1909.

Contains:—

- Preliminary account of the Geology of the Highlands in New Jersey. By W. S. Bayley.
- Some notes on River development in the vicinity of Danville, Illinois. By C. H. Wegemann.
- Notes on the Distribution of the Mastodon in Illinois. By R. M. Bagg, Jr.

This number also forms "University of Illinois Bulletin," Vol. vi, no. 17.

All previous numbers contain no Natural History.

Urbana.—University of Illinois.—Agricultural Experiment Station.

Bulletin. No. 6, 15, 16, 26, 39, 47, 49-60.
8°. Champaign & Urbana, 1889-1900.

Urbana.—University of Illinois.—Agricultural Experiment Station.

Circular, &c. No. 20-22 & 24. 8°. Urbana, 1900.

Urbana.—University of Illinois.—Illinois State Laboratory of Natural History.

[1862 Founded as Museum of the State Natural History Society of Illinois.
1871 The Society was dissolved and the Museum transferred to the State,
as the Illinois Museum of Natural History.

1877 Converted into the Illinois State Laboratory of Natural History, a
State Museum being simultaneously founded at Springfield (q.v.).
1897 Transferred to the University of Illinois.]

Bulletin, &c. Vol. 1→

8°. Bloomington [Ill.], (1876-) 1884→

In Vol. 1, no. 1, 2, 5, 6 & 7 are separately paged.

— Vol. 1, no. 3. Second edition.

8°. Champaign, Ill., 1903.

Urbana.—University of Illinois.—Illinois State Laboratory of Natural History.

Biennial Report of the Director for 1899-1900. pp. 12.
8°. Urbana, Illinois, 1901.

Urbana.—University of Illinois.—Illinois State Laboratory of Natural History.

The Ornithology of Illinois. Pt. 1. Descriptive Catalogue. By R. Ridgway. 2 Vol. *illustr.*

8°. Springfield, 1889-95.

URE (ANDREW) [1778-1857] A new System of Geology, &c. pp. lv, 621: 7 pls., *text illustr.* 8°. London, 1829.

Ure (A.) Neues System der Geologie, &c. pp. xiv, 626: 17 pls. 8°. Weimar, 1830.

Ure (A.) [Ure's dictionary of Arts, Manufactures, and Mines. 8°. London, 1839.]
Wanting.

— By R. Hunt . . . assisted by F. W. Rudler . . .
Seventh edition. 4 Vol. *illustr.* 8°. London, 1878-79.

URE (DAVID) [-1798] The History of Rutherglen and East-Kilbride, &c. pp. vi, 334: 21 pls. (1 col.)
8°. Glasgow, 1793.

Ure (D.) Biographical notice of . . . D. Ure . . . By J. Gray. See GRAY (J.) 8°. 1865.

URE (GEORGE) Our Fancy Pigeons, and rambling notes of a Naturalist, &c. pp. xvi, 282: 6 pls.
8°. Dundee, &c., 1886.

The plates are in duplicate.

URICH (FREDERIC WILLIAM) [1870-] The Cacao Thrips. See TRINIDAD.—Department of Agriculture. [Circular.] 8°. 1911.

Urich (F. W.) The Sugar Cane Frog-hopper (*Tomaspis varia*, Fabr.) and biological notes on some Cercopids of Trinidad. See TRINIDAD.—Department of Agriculture. Circular No. 9. 8°. 1913.

Urich (F. W.) [For official reports as Entomologist] See TRINIDAD.—Department of Agriculture.

URQUHART (A. T.) On new species of Tasmanian Araneæ. pp. 38. 8°. [Hobart, 1893.]
Papers & Proc. Roy. Soc. Tasmania, 1892.

URRUTIA. See BOLIVAR Y URRUTIA.

URRUTIA (P. LISARDO) Datos Geológico-mineros de la provincia de Logroño. pp. 6. See SPAIN.—INSTITUTO GEOLOGICO DE ESPAÑA. Boletín, &c. Tom. v. 8°. 1878.

URSIN (JOHANN HEINRICH) [1608-1667] J. H. Ursini . . . Arboretum Biblicum, in quo Arbores & Frutices passim in S. Literis occurrentes, notis . . . exponuntur, & illustrantur. pp. [16,] 621 [3]: 13 pls., *engr. title.*
8°. Norimbergæ, 1663.

— [Another edition.] Cum Continuazione & Sylva theologiæ symbolicæ, nec non appendice de terribili quondam visa cometa, nunc tertia vice revirescens. 2 Tom. *illustr.* 8°. Norimbergæ, 1685.

The title-page to Tom. 11 reads:—"J. H. Ursini Continuatio Plantarum Biblicæ, sive, 1. De Sacra Phytologia, 11. Herbarius Sacer, 111. Hortus Aromaticus, cum Sylva Theologiæ Symbolicæ, et S. Jeremie virga vigilante tertia vice recusa."

— [Another edition.] 2 Tom. [in 1 Vol.] *illustr.*

8°. Norimbergæ, 1699.

URSPRUNG (ALFRED) Beiträge zur Anatomie und Jahresringbildung tropischer Holzarten. Inaugural-Dissertation, &c. pp. 81 [3]: *text illustr.* 8°. Basel, 1900.

Ursprung (A.) Die physikalischen Eigenschaften der Laubblätter, &c. pp. 120: 9 pls. (col.), *text illustr.* See BIBLIOTHECA BOTANICA, &c. Hft. LX. 4°. 1903.

URSUA (PEDRO DE) The expedition of P. de Ursua & L. de Aguirre in search of El Dorado and Omagua in 1560-1, &c. See HAKLUYT SOCIETY. Works, &c. No. 28. 8°. 1861.

URUGUAY, Republic of.

Origin of the auriferous region of Tacuarembó. Catalogue of Minerals exhibited, &c. 2 Pt. See LONDON.—International Exhibition of Mining and Metallurgy, 1890. 8°. 1890.

Uruguay, Republic of. [Maps.]

Mapa de la República Oriental del Uruguay [Scale 1 in. = 11 m. about. There are inset plans of Montevideo, &c.] 2 sh. Montevideo, 1884.

Uruguay, Republic of. [Maps.]

Mapa de la República Oriental del Uruguay. Escala 1:1,806,105 [i.e. 1 in. = 28½ m. about.] See LONDON.—International Exhibition of Mining and Metallurgy, 1890. Republic of Uruguay. Pt. II. 8°. 1890.

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VALENTIJN (FRANÇOIS) [1666-1725] Oud en nieuw Oost-Indiën, vervattende een naukeurige en uitvoerige Verhandelinge van Nederlands Mogentheyd in de Gewesten, benevens eene wydluftige Beschryvinge der Moluccos, Amboina ... en alle de Eylanden onder dezelve Landbestieringen behoorende, &c. 5 Dl. [in 8] *illustr.* fol. Dordrecht, Amsterdam, 1724-26.

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Valentijn (F.) Verhandeling der Zee-Horenkens en Zee-Gewassen in en omtrent Amboina en de nabygelegene Eilanden ... dienende tot een vervolg van de Amboinsche Rariteitkamer beschreven door G. E. Rumphius. pp. [viii], 70: 18 pls., 1 port. fol. Amsterdam, 1754.

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Valentijn (F.) F. Valentyns ... Abhandlung von Schnecken, Muscheln und Seegewächsen, welche um Amboina und den umliegenden Inseln gefunden werden. Als ein Anhang zu G. E. Rumphs Amboinschen Raritätenkammer, &c. pp. vii, 148: 18 pls. fol. Wien, 1773.

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VALENTINI (CHRISTOPHORUS BERNHARDUS) [1694-1728] Tournefortius contractus, sub forma tabularum sistens Institutiones Rei Herbariæ ... cum Laboratorio Parisiensis ejusdem autoris. Accedit Materia Medica a P. Hermanno in certas classes characteristicas redacta, cum duplici schematismo ... Accurante C. B. Valentini. [With a preface, &c., by M. B. Valentini.] pp. [iv], 48 [4], 2 tabs.: 4 pls. fol. Francofurti ad Mœnum, 1715.

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VALENTINI (MICHAEL. BERNHARD.) [1657-1729] Museum Museum, oder vollständige Schau-Bühne aller Materialien und Specereyen, nebst deren natürlichen Beschreibung . . . aus andern Material- Kunst- und Naturalien-Kammern, Oost- und West-Indischen Reiss-Beschreibungen . . . verfasst, &c. (Unvorgreifliches Bedenken von Kunst- und Naturalien-Kammern insgemein [by D. B. Major].—Oost-Indianische Send-Schreiben von allerhand raren Gewächsen, Bäumen, Jubelen auch andern . . . durch . . . D. Cleyern, Rumphien, H. de Jager, ten Rhyne, [Kaempfer,] &c. . . gewechselt und . . . in . . . Teutsche . . . Sprache übersetzt von M. B. Valentini.) pp. [xxii,] 520 : 7 pls., engr. title, text illust. (pp. [ii,] 76 : text illust.—pp. [ii,] 119 [12] : 9 pls.) 3 Thl. [in 1 Vol.] fol. *Frankfurt am Mayn*, 1704.

Printed in double column. The half-title as well as the engraved title to the volume reads: "Valentini Natur- und Materialien-Kammer, auch Ost-Indianische Send-Schreiben und Rapporten."

— Zweyte Edition. pp. [xxii,] 520 : 7 pls., text illust. (pp. [ii,] 76 : text illust.—pp. [ii,] 119 : 9 pls.) fol. *Frankfurt am Mayn*, 1714.

Printed in double column.

— Zweyter Theil, &c. (Anhang von verschiedenen Kunst- und Naturalien-Kammern, &c.) pp. [xviii,] 196 (116) : 39 pls., text illust., engr. title. fol. *Frankfurt am Mayn*, 1714.

Printed in double column. The half-title and engraved title-page cover this and the following part, and read respectively:—"D. Valentini Schau-Bühne fremder Naturalien . . . oder Musci Museumum zweiter und dritter Theil," and "D. Valentini Musci Museumum . . . II. Tomus," &c.

— Neu-aufgerichtetes Rüst- und Zeughaus der Natur . . . Dritten Theils des Musci Museumum, &c. pp. [vi,] 228 & 209*-216* [24] : 40 pls., text illust. fol. *Frankfurt am Mayn*, 1714.

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Valentini (M. B.) M. B. Valentini . . . Historia Simplicium reformatata, sub Musci Museumum titulo antehac in vernacula edita, jam autem . . . a D. J. C. Beckero . . . Latio restituta. Accedit India Literata . . . Latinitate donata, longe auctior reddita, novisque figuris . . . illustrata a C. B. Valentini, &c. (Mantissa exoticorum Academiae, completens disputationes quasdam inaugurales . . . de Simplicibus exoticis, &c. pp. [vi,] 664 [13] : 30 pls. fol. *Frankfurt ad Moenum*, 1716.

Printed in double column. In this copy the title-page, with the altered and added matter of the 1728 edition, have been bound in between the preface and the body of the work.

— [Another edition entitled:] M. B. Valentini . . . Aurifodina Medica e triplici naturæ regno, minerali, vegetabili & animali, seu Historia Simplicium reformatata . . . cum India Literata. . . Editio secunda, auctior redita per Accessiones novissimas . . . adjecta est Tabula ichnographica stadii studiique medici. pp. [xviii,] 664 [13, 12,] 1 tab. : 30 pls. fol. *Giessæ & Francofurti*, 1723.

Wanting the plate (Nuces Myristicæ) to face p. 199. This is a re-issue of the original sheets of the 1716 edition, with a new title-page and preface, whilst a life of the author in Latin verse, an "Introductio" and "Allegata" have been prefixed, and the "Accessiones novissimas," with the "Tabula ichnographica," appended.

Valentini (M. B.) Viridarium reformatum, seu regnum vegetabile, das ist : neu-eingerichtetes und vollständiges Kräuter-Buch . . . auch vortreffliche . . . Recepte für allerley Kranckheiten . . . und . . . ein Opus Mago-Cabalisticum eines wahrhaften Adepti (G. A. Sallwigt,) beygefüget, &c. 2 Pt. pp. [xviii,] 583 [12] : 385 pls., text illust. (pp. [viii,] 80 : 10 pls.) fol. *Frankfurt am Mayn*, 1719.

A made-up copy, containing some manuscript notes.

Valentini (M. B.) M. B. Valentini . . . Armamentarium Naturæ systematicum, seu introductio ad philosophiam modernorum naturalem . . . Accedit Historia Literaria S. R. I. Academiæ naturæ curiosorum, &c. (M. B. Valentini prodromus historiæ naturalis Hassiæ, quem anno . . . 1707 sub præsidio auctoritatis, publicæ . . . sistebat J. N. Müllerus.) pp. [xxviii,] 176 (152) : 14 pls., engr. title, text illust. (pp. 38.) 4^o. *Giessæ-Hassorum*, 1709.

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Valentini (M. B.) Amphitheatrum Zootomicum . . . exhibens historiam Animalium anatomicam e Miscellaneis S. R. I. Academiæ Naturæ Curiosorum, Diariis Societatum Scientiarum Regiarum, Parisiensis, Anglicæ & Prussiæ, Actis Hafniensibus & Lipsiensibus . . . collectam. Accedit methodus secundi cadav. Humana . . . ut & ars dealbandi ossa pro sceletopeia, cum osteologia, tabulis myologicis, aliisque MSS. Ravianis (Appendix), &c. 3 Pt. [in 1 Vol.] illust. fol. *Frankfurt ad Moenum*, 1720.

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Printed on one side of the paper only.

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[1826 Founded as Société Archéologique du Morbihan.

1860 Société Polymathique, &c.]

Bulletin (Procès Verbaux), &c. Ann. 1857–93.

8°. *Vannes*, 1858–94.

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The several Catalogues issued under this heading by the Society are entered under the names of the individual authors as follows:

Mammals, Birds and Reptiles. See *TASLÉ* (A.)

Mollusca. See *TASLÉ* (A.)

Lepidoptera. See *GRIFFITH* (W. J.)

Phanerogams. See *ARRONDEAU* (E. T.)

Minerals. See *LIMUR* (F. DE) *Count.*

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VIÉLLOT (LOUIS JEAN PIERRE) [1748-1831 ?] See DICTIONNAIRES. Nouveau Dictionnaire d'Histoire naturelle, &c. Tom. VII-XXIV. 8°. 1803-4.

— Nouvelle édition, &c. 36 Vol. 8°. 1816-19.

Vieillot (L. J. P.) Histoire naturelle des plus beaux Oiseaux Chanteurs de la zone torride. pp. 112 & 52*, 52** : 72 pls. col. fol. Paris, 1805 [-08 - ?]

Large paper copy.

Issued in twelve parts, of which livr. 1 & 2 are known to have appeared in 1805, 3 & 4 in 1806, and 5 & 6 in 1808 (Journ. Gén. Lit. France).

Vieillot (L. J. P.) Histoire naturelle des Oiseaux de l'Amérique septentrionale, contenant un grand nombre d'espèces décrites ou figurées pour la première fois. 2 Tom. illust. col. fol. Paris, 1807 [-?].

Vieillot (L. J. P.) Analyse d'une nouvelle Ornithologie élémentaire. pp. 70. 8°. Paris, 1816.

— [Another edition entitled:] Vieillot's Analyse d'une nouvelle Ornithologie élémentaire. Edited by H. Saunders. See WILLUGHBY SOCIETY. 8°. 1883.

C. J. Temminck, observations sur la Classification méthodique des Oiseaux, et remarques sur l'Analyse d'une nouvelle Ornithologie élémentaire. Par L. P. Vieillot. See TEMMINCK (C. J.). 8°. 1817.

Vieillot (L. J. P.) Ornithologie, par M. l'Abbé Bonnatte et continuée [pp. 321-1460] par L. P. Vieillot. See ENCYCLOPÉDIE MÉTHODIQUE, &c. Tableau Encyclopédique et méthodique des Trois Règnes de la Nature, &c. 4°. 1820-1823.

Vieillot (L. J. P.) Ornithologie Française, ou Histoire Naturelle générale et particulière des Oiseaux de France... Dessinés d'après nature par P. Oudart. 100 pls. (col.) 4°. [Paris, 1823-1907.]

Of this work, twelve livraisons, each having 6 plates and a sheet of text, had been issued by 1830: viz., No. 1-4 in 1823; No. 5-7 in 1825; No. 8 in 1826; and No. 9-12 in 1830 (Bibl. Franç.). Publication was then suspended.

A number of additional plates had been printed off, and in 1907 sets of all the plates, to the number of 100, were made up by the holder, and put on the market, the circular accompanying them stating that "Le texte réduit à quelques feuilles de généralités a disparu." The numeration of the plates is not consecutive.

Vieillot (L. J. P.) & Audebert (J. B.) Oiseaux dorés, ou à reflets métalliques. 2 Tom. See AUDEBERT (J. B.) & VIEILLOT (L. J. P.) fol. 1802.

Issued in 32 parts in 26 months (Journ. Gén. Lit. France, an. XI, 1802, p. 822).

— [Another edition.] 4°. 1802.

Vieillot (L. J. P.) & Oudart (P. L.) La Galerie des Oiseaux, &c. 2 Vol. illust. (col.) 4°. Paris, [1820-] 1825 [-26].

This work was issued in 82 livraisons. Of these No. 1-5 appeared in 1820; No. 6-9 in 1821; No. 10-20 & 22 in 1822; No. 21, 23-37 in 1823; No. 38-52, 54-56 in 1824; No. 53, 67-72 & 74 in 1825; No. 73, 75-82 in 1826 (Bibl. Franç.): the contents of the several livraisons are, however, at present unknown.

The 24 coloured plates of the first six livraisons are unnumbered, and the text to each is separately paged. With this portion of the work, subsequently bound at the end as an appendix, Vieillot had nothing to do. Vieillot's text, subdivided into five parts, is in three sections (parts 3-5 being continuously paged) arranged in two volumes.

301 coloured plates, consecutively numbered, and 33 plain plates, accompany these volumes. Among the coloured plates, there is a "Pl. 23 bis," but no pl. 151, which was omitted because the references in the text to plates 144-150 had been erroneously given as to 145-151. Pl. 300 ranks between pl. 232 & 233, whilst pl. 301 follows pl. 192.

Viellot (L. J. P.) & others. Faune Française, ou histoire naturelle générale et particulière des Animaux qui se trouvent en France, constamment ou passagèrement . . . par MM. L. P. Viellot (les Oiseaux); A. G. Desmarest (les Mammifères, les Reptiles, les Insectes Orthoptères, Hémiptères, et Névroptères); De Blainville (les Animaux sans vertèbres, à l'exception des Insectes); C. Prévost [or rather, H. M. D. de Blainville] (les Poissons); A. Serville (les Insectes Coléoptères, Hyménoptères et Diptères); Lepelletier Saint-Fargeau (les Insectes Lépidoptères); C. A. Walckenaer (les Aranéides). 8 Vol. & Atlas, 4 Vol. 8°. & 4°. [Paris, 1820-30].

Without title-pages. Livr. 1 & 2, Coléoptères, pp. 1-96, were re-written: a copy of the cancelled issue is bound in at the end of that section of the work. The text is complete for the Birds only.

The sections issued are as follows:—

Vertébrés.

Mammifères. pp. 80†: 4 pls. col.

Oiseaux. pp. 443: 83 pls. col.

Reptiles. 18 pls. col.

Poissons. pp. 361: 22 pls. col.

Malacozoaires. pp. 350†: 12 pls. col.

Insectes.

Hexapodes.

Coléoptères. pp. 240†: 22 pls. col.

Hyménoptères. pp. 96†: 5 pls. col.

Lépidoptères. pp. 258†: 46 pls.

Névroptères. 3 pls. col.

Orthoptères. 2 pls. col.

Hémiptères. 6 pls. col.

Octopodes.

Aranéides. pp. 240†: 10 pls. col.

Crustacés. 10 pls. col.

Actiniaux. 4 pls. col.

Echinodermes. 4 pls. col.

Vers. 2 pls. col.

For the dates of publication of the various parts, See **SHERBORN & WOODWARD**, Ann. & Mag. Nat. Hist., Ser. VII, vol. VIII, 1901, p. 493.

VIENNA. [Ankündigung eines systematischen Werkes von den Schmetterlingen der Wienergegend, herausgegeben von einigen Lehrern (i.e. I. Schiffermüller and J. N. C. M. Denis) am K. K. Theresianum. pp. 322: 2 pls. 4°. Wien, 1775.]

Wanting. The title-page to this issue is printed from a wood-block.

— [Another issue entitled:] Systematisches Verzeichniss der Schmetterlinge der Wienergegend, &c. pp. 322: 2 pls. 4°. Wien, 1776.

The title-page to this issue is printed from a copper plate.

Jacob Hubner's copy with his autograph notes and signature is in the Walsingham Library.

— [Another edition.] Mit einer Synonymie der vorzüglichsten Schriftsteller und vielen Anmerkungen und Zusätzen von neuem herausgegeben. 2 Bd. 8°. Braunschweig, 1801.

Vienna. Die Zinsler, Wickler, Schaben und Geistchen des Systematischen Verzeichnisses der Schmetterlinge der Wiener Gegend verglichen mit den in der Schiffermüllerschen Sammlung in Wien befindlichen . . . Arten dieser Gattungen, &c. See **CHARPENTIER (T. VON)**. 8°. 1821.

Vienna. Die Botanischen Anstalten Wiens im Jahre 1894. 8°. Wien, 1894.

Originally issued as a "Festgabe" for the sixty-sixth meeting of the "Deutscher Naturforscher und Aerzte" held the same year at Vienna.

Contains:—

- No. 1. K. k. Universität.
- Pl. 1. Botanisches Museum und Botanischer Garten. Verfasst von . . . K. Fritsch.
- „ 2. Das Pflanzenphysiologische Institut. Verfasst von . . . F. Krasser.
- „ II. K. k. Hofgarten zu Schönbrunn. Verfasst von . . . A. Umlauf.
- „ III. Botanische Abtheilung des k. k. naturhistorischen Hofmuseums.
- Aufzählung der im Herbarium . . . enthaltenen Pflanzensammlungen. Verfasst von A. Zahlbruckner.
- „ IV. K. k. zoologisch-botanische Gesellschaft.
- „ VI. Botanische Privatsammlungen.

VIENNA.—*Botanischer Garten.*

See infra, KAISERLICH-KOENIGLICHE UNIVERSITAET.

VIENNA.—*Botanisches Museum.*

See infra, KAISERLICH-KOENIGLICHE UNIVERSITAET.

VIENNA.—*Erste Internationale Jagdausstellung, 1910.* Fuehrer durch die Deutsche Abtheilung der . . . Jagdausstellung. pp. 60: 17 pls. (back to back). 8°. Berlin, 1910.

Vienna.—*Erste Internationale Jagdausstellung, 1910.* Pavillon der n.-ö. Landes-Gewerbeförderung. Spezialführer durch die Kollektiv-Ausstellungen des heimischen Kunst- und Kleinwerbes. pp. 47: 1 plan. 8°. Wien, 1910.

Vienna.—*Erste Internationale Jagdausstellung, 1910.* Catalogue of Exhibits in the British section of the International Shooting and Field Sports Exhibition, Vienna, 1910. pp. viii, 63: 22 pls. 4°. London, 1911.

VIENNA.—*Exposition Universelle, 1873.* See infra, Welt-Ausstellung.

VIENNA.—*Hortus Botanicus Vindobonensis.* See infra, KAISERLICH-KOENIGLICHE UNIVERSITAET.

VIENNA.—*International Shooting and Field Sports Exhibition, 1910.* See supra, Erste Internationale Jagdausstellung.

VIENNA.—*Kaiserlich-Koenigliche Hofburg.* Der Wintergarten in der K. K. Hofburg . . . geschildert, &c. See **ANTOINE (F.)** obl. fol. 1852.

Vienna.—*Kaiserlich-Koenigliche Hofburg.* Phyto-iconographie der Bromeliaceen des Kaiserlichen Königlichen Hofburg-Gartens, &c. See **ANTOINE (F.)** 4°. & fol. 1884.

VIENNA.—*Universal Exhibition, 1873.* See infra, Welt-Ausstellung.

VIENNA.—*Welt-Ausstellung, 1873.* Notice sur les pêcheries et la chasse aux Phoques dans la Mer Blanche, l'Océan Glacial et la Mer Caspienne. [One of the publications issued in connection with the Exhibition.] See **SCHULTZ (A.)** 8°. 1873.

Vienna.—*Welt-Ausstellung, 1873.* Descriptive Catalogue of the Exhibits in the New Zealand Court (Beschreibender Catalog, &c.—Catalogue descriptif, &c.), &c. pp. 47. 4°. London [1873]. English, German and French in parallel columns.

VIENNA.—*Academia Vindobonensis.* See infra, KAISERLICH-KOENIGLICHE UNIVERSITAET.

VIENNA.—*Akademischer Verein der Naturhistoriker an der Wiener Universität.* See infra, NATURWISSENSCHAFTLICHER VEREIN AN DER UNIVERSITAET WIEN.

VIENNA.—*Anthropologische Gesellschaft.* [Founded 1870.]

Mittheilungen, &c. Bd. I-XVII. illust. 8°. Wien, 1871-87. Bd. XI-XVII are also styled "Neue Folge, Bd. I-VII."

VIENNA.—*Congrès International Ornithologique, Vienne, 1884.* See CONGRÈS INTERNATIONAL ORNITHOLOGIQUE VIENNE, 1884.

VIENNA.—*Deutscher und Oesterreichischer Alpenverein.*

[Founded 1873 by the amalgamation of the Oesterreichischer Alpen Verein (1862) & the Deutscher Alpenverein (1869).]

Atlas der Alpenflora. Herausgegeben vom Deutschen . . . Alpenverein, &c. See **DALLA TORRE (K. W. VON)** 8°. [1881-] 1892 [-84].

— II. Neubearbeitete Auflage, &c. 8°. (1896-) 1897.

VIENNA.—Embryologisches Institut der Kaiserlich-Koeniglichen Universitaet.

See infra, KAISERLICH-KOENIGLICHE UNIVERSITAET.

VIENNA.—Gartenbaugesellschaft des Oesterreichischen Kaiserstaates.

Botanisches Archiv... Abbildungen und Beschreibungen neuer oder seltener Pflanzen, welche in den Gärten der Monarchie blühen. Herausgegeben von C. ... von Hügel. No. I & II. 10 pls. col., with descriptive letter-press. 8°. Wien, 1837.

Large paper copy.

VIENNA.—Geologische Gesellschaft.

[Founded 1907.]

Mittheilungen, &c. Bd. I→ *illustr.* 8°. Wien, 1908→

VIENNA.—Kaiserlich-Koenigliche Gartenbaugesellschaft.

See supra, GARTENBAUGESELLSCHAFT DES OESTERREICHISCHEN KAISERSTAATES.

VIENNA.—Kaiserlich-Koenigliche Geographische Gesellschaft. [Founded 1856.]

Mittheilungen, &c. Bd. I-XXXI. 8°. Wien, 1857-88.

Bd. XI-XXXI are also styled "Neue Folge, Bd. I-XXI."

Vienna.—Kaiserlich-Koenigliche Geographische Gesellschaft.

Festschrift aus Veranlassung der fünfundzwanzigjährigen Jubelfeier... im Jahr 1881. Von... J. Chavanne, &c. pp. 131. 8°. 1881.

Issued as a supplement to Vol. XXIV of the Mittheilungen.

VIENNA.—Kaiserlich-Koenigliche Hofkammer im Muenz- und Bergwesen. [Founded 1835.]

Bericht über die Mineral-Sammlung, &c. pp. viii, 156: 2 pls. 4°. Wien, 1843.

VIENNA.—Kaiserlich-Koenigliche Universitaet. [Founded 1865.]

Hortus Botanicus Vindobonensis, seu Plantarum rariorum quæ in Horto... coluntur, icones coloratæ et succinctæ descriptiones. 3 Vol. [in 2.] See JACQUIN (N. J. von) *Baron*. fol. 1770-76.

Vienna.—Kaiserlich-Koenigliche Universitaet.

Stapeliarum in Hortis Vindobonensibus cultarum descriptiones figuris coloratis illustratæ, &c. See JACQUIN (N. J. von) *Baron*. fol. 1806.

Vienna.—Kaiserlich-Koenigliche Universitaet.

Catalogus Horti Academici Vindobonensis. 2 Tom. [in 1.] See ENDLICHER (S. L.) 12°. 1842-43.

Vienna.—Kaiserlich-Koenigliche Universitaet.

Endlicher's *Paridiscus Vindobonensis*, Abbildungen seltener und schönblühender Pflanzen der Wiener [University] und anderer Gärten, &c. Vol. I & II, pt. 1.† See HARTINGER (A.) fol. 1844-60.

Vienna.—Kaiserlich-Koenigliche Universitaet.

Mittheilungen aus dem Embryologischen Institute der K. K. Universität... von... S. L. Schenk. Bd. I & II. 8°. Wien, 1877-83.

— Neue Folge. Hft. I-V.† 8°. Wien, 1885-92.

Vienna.—Kaiserlich-Koenigliche Universitaet.

Arbeiten aus dem Zoologischen Institute der Universität Wien und der Zoologischen Station in Triest. Herausgegeben von... C. Claus (fortgeführt von... K. Grobben... und... B. Hatschek). Tom. I→ 8°. Wien, 1878→

Each paper is separately pagged.

Vienna.—Kaiserlich-Koenigliche Universitaet.

Beiträge zur Paläontologie Oesterreich-Ungarns und des Orients, herausgegeben von E. von Mojsisovics und M. Neumayr. Bd. I-VIII. 4°. Wien, (1880-) 1882-91.

On the wrappers of Hft. I-3 the title reads: "Beiträge zur Paläontologie von Oesterreich-Ungarn und den angrenzenden Gebieten."

[Continued as:]

Beiträge zur Paläontologie und Geologie Oesterreich-Ungarns und des Orients begründet von... E. v. Mojsisovics und... M. Neumayr. Mittheilungen des Paläontologischen Instituts der Universität Wien herausgegeben... von... W. Waagen ([and afterwards] G. von Arthaber, V. Uhlig, C. Diener, & F. E. Suess). Bd. IX→ 4°. Wien, (1894-) 1895→

Vienna.—Kaiserlich-Koenigliche Universitaet.

Schedæ ad Floram Exsiccatam Austro-Hungaricam a Museo Botanico Universitatis Vindobonensis editam auctore [I-VII] A. Kerner ([VIII & IX] C. Fritsch [x] Editore R. de Wettstein). Pt. I-X.

8°. Vindobonæ, 1881-1913.

Vienna.—Kaiserlich-Koenigliche Universitaet.

Botanisches Museum und Botanischer Garten. Verfasst von... K. Fritsch.—Das Pflanzenphysiologische Institut. Verfasst von... F. Krasser. See VIENNA. Die Botanischen Anstalten Wiens im Jahre 1894. No. 1. 8°. 1894.

VIENNA.—Kaiserlich-Koenigliche Zoologisch-Botanische Gesellschaft.

[1851 Founded as Zoologisch-Botanischer Verein.]

[1858 Kaiserlich-Königliche Zoologisch-Botanische Gesellschaft.]

Verhandlungen (Sitzungsberichte—Abhandlungen), &c. Bd. I-LVI. 8°. Wien, 1852-1906.

— [Proceedings—Papers], &c. Bd. LVII→

8°. Wien, 1907→

— Personen-, Orts- und Sach-Register der fünf ersten Jahrgänge (1851-1855), &c. 8°. Wien, 1857.

— der zweiten fünfjährigen Reihe (1856-1860), &c. 8°. Wien, 1862.

— der zweiten zehnjährigen Reihe (1861-70), &c. 8°. Wien, 1872.

— der dritten zehnjährigen Reihe (1871-80), &c. 8°. Wien, 1884.

— der vierten zehnjährigen Reihe (1881-1890), &c. 8°. Wien, 1895.

Vienna.—Kaiserlich-K. Zool.-Bot. Gesellschaft.

Abhandlungen, &c. Bd. I→ 8°. Wien & Jena, 1901→

Each heft contains a separately-paged paper.

Bd. IV→ published at Jena.

Vienna.—Kaiserlich-K. Zool.-Bot. Gesellschaft.

Festschrift zur Feier des fünfundzwanzigjährigen Bestehens der... Gesellschaft, &c. pp. 330 [I]: 18 pls. (col.), 1 map col. 4°. Wien, 1876.

Contains:—

1. Die morphologische Bedeutung der Segmente, speciell des Hinterleibes, bei den Orthopteren. Von C. Brunner von Wattenwyl.
2. Die natürlichen Einrichtungen zum Schutze des Chlorophylls der lebenden Pflanze. Von J. Wiesner.
3. Ueber die Malaysische Singethier-Fauna. Von A. von Pelzeln.
4. Ueber die Organisation und systematische Stellung der Gattung *Seison*, Gr. Von C. Claus.
5. Beiträge zur Kenntniss der sogenannten falschen Chinarinden. Von A. Vogl.
6. Zur Teratologie der Ovula. Von J. Peyritsch.
7. C. Clusius' Naturgeschichte der Schwämme Pannoniens. Von H. W. Reichardt.
8. Die Schutzmittel der Blüten gegen unerwünschte Gäste. Von A. Kerner.
9. Die Neuropteren Europas und insbesondere Oesterreichs, mit Rücksicht auf ihre geographische Verbreitung... Von F. Brauer.
10. Die Schlangen und Eidechsen der Galapagos-Inseln. Von F. Steindachner.

Vienna.—**Kaiserlich-K. Zool.-Bot. Gesellschaft.**
Botanik und Zoologie in Oesterreich in den Jahren
[1850 bis 1900. Herausgegeben von der . . . Gesellschaft
. . . anlässlich der Feier ihres fünfzigjährigen Bestandes.
pp. ix, 620: 5 pls., 33 ports., text illust. 8°. Wien, 1901.

Vienna.—**Kaiserlich-K. Zool.-Bot. Gesellschaft.**
[History of the Society.] See VIENNA. Die Botanischen
Anstalten Wiens im Jahre 1894. No. IV. 8°. 1894.

Vienna.—**Kaiserlich-K. Zool.-Bot. Gesellschaft.**
F. X. F. von Wulfen's Flora Norica Phanerogama, &c.
See WULFEN (F. X. VON). 8°. 1858.

Vienna.—**Kaiserlich-K. Zool.-Bot. Gesellschaft.**
Nachträge zu Maly's Enumeratio Plantarum Phanero-
gamicarum imperii Austriaci universi von A. Neilreich,
&c. See NEILREICH (A.) 8°. 1861.

Vienna.—**Kaiserlich-K. Zool.-Bot. Gesellschaft.**
Nouveau système des Blattaires, &c. See BRUNNER
VON WATTENWYL (C.) 8°. 1865.

Vienna.—**Kaiserlich-K. Zool.-Bot. Gesellschaft.**
Nachträge zur Flora von Nieder-Oesterreich von A.
Neilreich, &c. See NEILREICH (A.) 8°. 1866.
This was issued as a supplement to the Society's "Verhandlungen,"
Bd. xvi.

— von E. von Halacsy & H. Braun, &c. *pp. v, 354.*
8°. Wien, 1882.

Vienna.—**Kaiserlich-K. Zool.-Bot. Gesellschaft.**
Catalogus Hymenopterorum Europæ . . . Herausgegeben
von der . . . Gesellschaft, &c. See KIRCHNER (L. A.)
8°. 1867.

Vienna.—**Kaiserlich-K. Zool.-Bot. Gesellschaft.**
Diagnosen der in Ungarn und Slavonien bisher be-
obachteten Gefüßpflanzen welche in Koch's Synopsis
nicht enthalten sind, &c. See NEILREICH (A.) 8°. 1867.

Vienna.—**Kaiserlich-K. Zool.-Bot. Gesellschaft.**
Die Diatomeen der hohen Tatra, &c. See SCHUMANN
(J.) 8°. 1867.

Vienna.—**Kaiserlich-K. Zool.-Bot. Gesellschaft.**
Monographia generis Osmundæ, &c. See MILDE (C. A. J.)
8°. 1868.

Vienna.—**Kaiserlich-K. Zool.-Bot. Gesellschaft.**
Neu aufgefunden Abbildung des Dronte und eines
zweiten kurzflügeligen Vogels, wahrscheinlich des Poule
Rouge au Bec de Bécasse, der Maskarenen in der Privat-
bibliothek S. M. des verstorbenen Kaisers Franz, &c.
See FRAUENFELD (G. VON). fol. 1868.

Vienna.—**Kaiserlich-K. Zool.-Bot. Gesellschaft.**
Die Vegetationsverhältnisse von Croatien, &c. See NEIL-
REICH (A.) 8°. 1868.

Vienna.—**Kaiserlich-K. Zool.-Bot. Gesellschaft.**
Commelinaceæ Indicae, imprimis Archipelagi Indici,
&c. See HASSKARL (J. K.) 8°. 1870.

Vienna.—**Kaiserlich-K. Zool.-Bot. Gesellschaft.**
Systematische Aufzählung der im Erzherzogthume
Oesterreich ob der Enns bisher beobachteten samen-
losen Pflanzen (Kryptogamen), &c. See POETSCH (I. S.)
& SCHIEDERMAYER (K. B.) 8°. 1872.

— Nachträge, &c. 8°. 1894.

Vienna.—**Kaiserlich-K. Zool.-Bot. Gesellschaft.**
Monographie der Phaneropteriden. See BRUNNER VON
WATTENWYL (C.) 8°. 1878.

Vienna.—**Kaiserlich-K. Zool.-Bot. Gesellschaft.**
Die Laubmoosflora von Oesterreich-Ungarn, &c.
See JURATZKA (J.) 8°. 1882.

Vienna.—**Kaiserlich-K. Zool.-Bot. Gesellschaft.**
Monographie der Pseudophylliden, &c. See BRUNNER
VON WATTENWYL (C.) 4°. 1895.

VIENNA.—**Kaiserlich-Koenigliches Hof-Mine-
ralien-Kabinet.**

[c. 1748 Formed part of the private collection of the Sovereign, known as
the Hofnaturalien Kabinet.

1851 Established as a separate institution.

1877 Incorporated in the Kaiserlich-Koenigliches Naturhistorisches
Hofmuseum, q. v.]

Kurze Uebersicht der . . . zur Schau gestellten acht
Sammlungen . . . von P. Partsch. *pp. 77: 1 plan.*
8°. Wien, 1843.

Vienna.—**Kaiserlich-K. Hof-Mineral-Kabinet.**
Die Meteoriten, oder vom Himmel gefallenen Steine
und Eisenmassen . . . Beschrieben . . . von P. Partsch.
pp. xii, 162: 1 pl. 8°. Wien, 1843.
This copy has been interleaved 4°.

Vienna.—**Kaiserlich-K. Hof-Mineral-Kabinet.**
Die Mineralien-Sammlung . . . von P. Partsch. *pp. 80.*
8°. Wien, 1843.

Vienna.—**Kaiserlich-K. Hof-Mineral-Kabinet.**
Die terminologische oder Kennzeichen-Sammlung . .
von P. Partsch. *pp. 44.* 8°. Wien, 1844.

Vienna.—**Kaiserlich-K. Hof-Mineral-Kabinet.**
Katalog der Bibliothek . . . Zweite . . . Auflage . . . von
A. Schrauf. *pp. x, 310.* 8°. Wien, 1864.

Vienna.—**Kaiserlich-K. Hof-Mineral-Kabinet.**
Uebersicht der Sammlungen, &c. *pp. xiv, 111.*
8°. Wien, 1873.

Vienna.—**Kaiserlich-K. Hof-Mineral-Kabinet.**
Das K.K. Hof-Mineralienkabinet . . . die Geschichte
seiner Sammlungen und die Pläne für die Neuaufstel-
lung derselben in dem K. K. Naturhistorischen Hof-
museum, &c. See HOCHSTETTER (F. VON) Baron.
4°. 1884.

VIENNA.—**Kaiserlich-Koenigliches Naturhis-
torisches Hofmuseum.**

[c. 1748 Founded as the private collection of the Sovereign and known as
the Hofnaturalien Kabinet.

1793 A special Zoological collection was started.

1803 A special Botanical collection was started.

1851 The collections were subdivided into independent institutes,
viz. —

(1) Kaiserlich-Königliches Zoologisches Kabinet.

(2) Kaiserlich-Königliches Hofmineralien Kabinet.

(3) Kaiserlich-Königliches Botanisches Kabinet.

1877 They were re-united as the Kaiserlich-Koenigliches Naturhis-
torisches Hofmuseum.

For history, See KIRCHNER (L. J.) Sitzungsab. k. Akad. Wissensch. Wien.
math.-nat. Class. Bd. xxi. *pp. 439-79; LVII, abth. i, pp. 1013-1022;*
LVIII, abth. i, *pp. 35-180; LXXXI, abth. i, 267-329; LXXXII, abth. i,*
pp. 279-333.]

Annalen des Wiener Museums der Naturgeschichte, &c.
Bd. I & II. 4°. Wien, 1835-40.

Vienna.—**Kaiserlich-K. Naturhist. Hofmuseum.**
Zoologische Abhandlungen aus den Annalen des Wiener
Museums der Naturgeschichte I. und II. Bandes.
Abth. I. Wirbelthiere. 4°. Wien, 1841.

Wanting Abth. II. Wirbellose Thiere.

A series of excerpts from the "Annalen," bearing the original pagina-
tion.

Vienna.—**Kaiserlich-K. Naturhist. Hofmuseum.**
Annalen, &c. Bd. I-→ 8°. Wien, 1886-→

— Register zu den Bänden I-IV (I-VI, I-VIII, I-X).
8°. [Wien, 1890-95.]

Issued with last part respectively of Bd. IV, VI, VIII & X.

Vienna.—**Kaiserlich-K. Naturhist. Hofmuseum.**
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[1851 Established as a separate Institution.

1877 Incorporated in the K. K. Naturhistorisches Hof-Museum, q.v.]

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Bd. III.

- Thl. 6. Zoologie. pp. 132 : 9 pls.
- A. Foraminiferen. Von V. Uhlig.
 - B. Poriferen, Anthozoen, Ctenophoren und Würmer. Von E. von Marenzeller.
 - C. Polypomaden. Von L. von Lorenz.
 - D. Echinodermen. Von F. Fischer.
 - E. Crustaceen, Pycnogoniden und Arachnoideen. Von C. Koelbel.
 - F. Insecten. Von E. Becher.
 - G. Mollusken. Von E. Becher.
 - H. Bryozoen. Von L. von Lorenz.
 - I. Tunicaten. Von R. von Drasche.
 - K. Fische. Von F. Steindachner.
 - L. Vögel und Säugethiere. Von F. Fischer und A. von Pelzeln.
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- A. Flora. Von H. W. Reichardt.
 - B. Untersuchungen einiger Treibhölzer. Von J. Schneider.
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VIENNA.—Musée Impérial et Royal d'Histoire naturelle.

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VIENNA.—Museum Cæsareum Palatinum Vindobonense.

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VIENNA.—Naturwissenschaftlicher Verein an der Universität Wien.

[1872 Founded as Akademischer Verein der Naturhistoriker an der Wiener Universität.
1882 Re-constituted as Naturwissenschaftlicher Verein an der Universität Wien.]

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- „ „ „ 8. Ueber die Ausarbeitung einer Fauna . . . nebst einer systematischen Aufzählung der in diesem Lande vorkommenden Säugethiere, Reptilien und Fische, als Prodom einer Fauna derselben. Von L. J. Fitzinger.
- „ II. „ 1. Systematisches Verzeichniss der Schmetterlinge. Von V. Kollar.
- „ III. „ 2. Systematisches Verzeichniss der . . . geradflügeligen Insekten. Von V. Kollar.
- „ „ „ 3. Systematisches Verzeichniss der . . . Weichthiere als Prodom einer Fauna derselben. Von L. J. Fitzinger.
- „ „ „ 5. Garten und Gartenkunst. Von C. Ritter.
- „ IV. „ 4. Beiträge zur cryptogamischen Flora. Von F. Welwitsch.

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VIENNA.—Wiener Museum der Naturgeschichte.

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VIENNA.—Zoologisch-botanischer Verein.

See supra, KAISERLICH-KÖNIGLICHE ZOOLOGISCH-BOTANISCHE GESELLSCHAFT.

VIENNA.—Zoologisches Institut der Universität.

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— Supplement-Band . . . Von J. L. Kerndl. 4°. *Wien*, 1822.

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In 1804 Bakhuyzen, having acquired the stock from Voet's executors, announced his intention of completing the work. His additions, as shown by change of font in the text, consisted of:—Tom. I, Lat. pp. 97-104 (mis-paged "67-74") and Fr. pp. 97-114, Dutch pp. 97-111, with pls. xlix-liv; Tom. II, Lat. pp. 33-83, Fr. pp. 41-86, Dutch pp. 41-87: pls. xlv-l.

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Thl. 3 and 4 contain the translation of Voet's text Tom. II Latin, pp. 1-84 (= Panzer Thl. 3, pp. 1-64) with descriptions by Panzer of the rest of the figures on pl. xxi, and of those on pls. xxiii-xxviii. Pls. xlix-liv of Voet's Tom. I and pls. xlix-l of Tom. II seem to have been unknown to Panzer and were probably published after his work had appeared.

Thl. 5 by Panzer has a second title which reads:—"Beiträge zur Geschichte der Insekten. Herausgegeben von D. G. W. F. Panzer," &c. —as well as Latin versions of both titles.

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- VOLLENHOVEN** (SAMUEL CONSTANT SNELLEN VAN) [1816-1880] Verslag van de zesde algemeene vergadering der... Vereniging. See HAGUE, THE.—NEDERLANDSCHE ENTOMOLOGISCHE VEREENIGING. 8°. [1850].
- Vollenhoven** (S. C. S. VAN) Beschouwing der Wonderen Gods, &c. [Continued after Deel vii, pl. xli, under the editorship of Snellen van Vollenhoven.] See SEPP (C.) 4°. 1853-60.
Beschrijvingen en afbeeldingen van Nederlandsche Vlinders, bijeengebragt door... S. C. Snellen van Vollenhoven. 3 Dl. illust. col. 4°. *Amsterdam & 's Gravenhage*, 1860-77.
This work is a continuation of C. Sepp's "Beschouwing der Wonderen Gods," and has a second title which reads:—"Nederlandsche Insecten naar hunne aanmerkelijke huishouding, verwonderlijke gedanteverwisseling en andere wetenswaardige bijzonderheden beschreven en afgebeeld door J. C. Sepp. Tweede Serie."
- Vollenhoven** (S. C. S. VAN) Tijdschrift voor Entomologie. Uitgegeven... onder redactie van... S. C. Snellen van Vollenhoven. Deel i—xxiii. See HAGUE, THE.—NEDERLANDSCHE ENTOMOLOGISCHE VEREENIGING. 8°. (1857-) 1858-80.
- Vollenhoven** (S. C. S. VAN) Overzicht der Gelede Dieren. See SCHLEGEL (H.) Natuurlijke historie van Nederland. 1860-61.
- Vollenhoven** (S. C. S. VAN) Essai d'une Faune Entomologique de l'Archipel Indo-Néerlandais. 3 Pt. 4°. *La Haye*, 1863-68.
Monog. i. Famille des Scutellérides. pp. 80: 4 pls. col. 1863.
" ii. Famille des Pierides. pp. 70: 7 pls. col. 1865.
" iii. Famille des Pentatomides. pp. 49: 4 pls. col. 1868.
- Vollenhoven** (S. C. S. VAN) Schetsen ten gebruike bij de studie der Hymenoptera, &c. 4 No. illust. obl. fol. 's Gravenhage, 1868-73.

Vollenhoven (S. C. S. VAN) Laatste Lijst van Nederlandsche Schildvleugelige Insecten (Insecta Coleoptera), &c. pp. iv, 146. See HAARLEM.—HOLLANDSCHE MAATSCHAPPIJ DER WETENSCHAPPEN. Natuurkundige Verhandelingen, &c. Verz. III, dl. I. 4^o. 1870.

Vollenhoven (S. C. S. VAN) Pinacographia. Illustrations of . . . North-West-European Ichneumonidae, sensu Linnaeano.—Afbeldingen van . . . Nord-West-Europesche Sluipwespen, &c. pp. xi, 68 : 45 pls. col. 4^o. 's Gravenhage, 1875-1880.

Dutch and English in parallel column.

Vollenhoven (S. C. S. VAN) Hemiptera Heteroptera Neerlandica. De inlandische ware Hemipteren (landen waterwanten) beschreven en meerendeels ook afgebeeld. pp. xii, 368 : 22 pls. 8^o. 's Gravenhage, 1878.

Vollenhoven (S. C. S. VAN) & **Selys-Longchamps** (M. E. DE) *Baron*. Insectes de Madagascar, &c. See POLLEN (F. P. L.) & DAM (D. C. VAN) Recherches sur la Faune de Madagascar, &c. Pt. 5. 4^o. 1877.

VOLLMANN (FRANZ) Flora von Bayern. pp. xxviii, 840 : text illust. 8^o. Stuttgart, 1914.

VOLNEY (CONSTANTIN FRANÇOIS DE CHASSEBŒUF) *Count* [1757-1820] Travels through Syria and Egypt, in . . . 1783-85 . . . Translated from the French. 2 Vol. illust. 8^o. London, 1787.

The French original appeared in the same year.

VOLTA (GIOVANNI SERAFINO) Elementi di Mineralogia analitica, e sistematica . . . Edizione corretta, &c. pp. xvi, 296. 8^o. Cremona, 1787.

Volta (G. S.) Ittiolitologia Veronese del Museo Bozziano ora annesso a quello del Conte G. Gazola e di altri gabinetti di fossili Veronesi con la versione Latina. 3 Pt. [in 2 Vol.] fol. Verona, 1796-1809.

Italian and Latin in parallel columns.

Revue critique des Poissons fossiles figurés dans l'Ittiolitologia Veronese, &c. See AGASSIZ (J. L. R.) 8^o. 1835.

VOL'TKE (GH.) K istorii razvitiya *Urospora mirabilis*, Aresch. (Zur Entwicklungsgeschichte d. *Urospora mirabilis*, Aresch.) pp. 53 : 2 pls. See ODESSA.—NOVOROSSISKOE OBSHCHESTVO ESTESTVOISPUITATELEI. Zapiski, &c. Tom. XII. [Pt. I.] 8^o. 1887.

VOLTZ (FRIEDRICH) Geologische Bilder aus dem Mainzer Becken. pp. viii, 88 : 4 pls. 8^o. Mainz, 1852.

Voltz (F.) Uebersicht der geologischen Verhältnisse des Grossherzogthums Hessen. pp. vi, 169 : 1 map geol. col. 8^o. Mainz, 1852.

VOLTZ (PHILIPPE LOUIS) [1785-1840] Observations sur les Bélemnites, &c. pp. 70 : 3 pls. See NANCY.—SOCIÉTÉ DES SCIENCES. Mémoires, &c. Tom. I, livr. I. 4^o. 1830.

Voltz (P. L.) Notice sur le Grès bigarré de la grande carrière de Soultz-les-Bains, &c. pp. 14. See NANCY.—SOCIÉTÉ DES SCIENCES. Mémoires, &c. Tom. II, livr. 2. 4^o. 1836.

Voltz (P. L.) Observations sur les Belopeltis, ou lames dorsales des Bélemnites, &c. pp. 38 : 5 pls. See NANCY.—SOCIÉTÉ DES SCIENCES. Mémoires, &c. Tom. III, livr. I. 4^o. 1840.

VOLYAN (VASILII) Nachalnos osnovanis Roslino-sloviya, &c. [First principles of Botany.] pp. xvi, 271. 8^o. V'yedni, 1854.

VOLZ (WILHELM THEODOR AUGUST HERMANN) [1870-] Die Korallenfauna der Schichten von St. Cassian in Süd-Tirol. Inaugural-Dissertation, &c. pp. 15 : text illust. 4^o. Stuttgart, 1895.

Volz (W. T. A. H.) Zur Geologie von Sumatra. Beobachtungen und Studien. pp. 112 : 12 pls., 3 maps, text illust. See PALAEONTOLOGISCHE ABHANDLUNGEN, &c. Bd. X, hft. 2. 4^o. 1904.

Volz (W. T. A. H.) Das geologische Alter der *Pithecanthropus*-Schichten bei Trinil, Ost-Java. See NEUES JAHRBUCH FÜR MINERALOGIE . . . Festband zur Feier des 100jährigen Bestehens, 1807-1907. 8^o. 1907.

Volz (W. T. A. H.) Kartographische Ergebnisse meiner Reisen durch die Karo- und Pakpaktakländer (Nord-Sumatra). 8^o. [Amsterdam, 1908.] Tijdschr. K. Nederl. Aardrijksk. Genoot. Amsterdam, 1908, pp. 1345-1382 : 2 pls., 3 maps.

VOORHELM (GEORGE) Traité sur la Jacinte. Contenant la manière de la cultiver suivant l'expérience qui en a été faite. pp. 123 : 2 pls. 8^o. Harlem, 1752.

VOORST (ADOLPH VAN) See VORSTIUS (A.)

VORHAUSER (JOHANN) [1784-1865] & **Liebener** (L.) Die Minerale Tirols, &c. See LIEBENER (L.) & VORHAUSER (J.) 8^o. 1852.

VORLAENDER (DANIEL) [1867-] Krystallinisch-flüssige Substanzen. pp. iv, 82 : text illust. 8^o. Stuttgart, 1908.

Vorlaender (D.) & **Hauswaldt** (H.) Achsenbilder flüssiger Krystalle. pp. 13 [2], 19 pls. See ACADEMIA CAESAREA LEOPOLDINO-CAROLINA, &c. Nova Acta, &c. Bd. XC, no. 2. 4^o. 1909.

VORONIN (MIKHAIL STEFANOVICH) [1838-1903] Ueber den Bau des Stammes von *Calycanthus*, &c. pp. 8 : 1 pl. 4^o. (Halle) [1860]. Bot. Zeitung. Jahrg. 1860.

Voronin (M. S.) Ueber die bei der Schwarzerle (*Alnus glutinosa*) und der gewöhnlichen Garten-Lupine (*Lupinus mutabilis*) auftretenden Wurzelanschwellungen. pp. 13 : 2 pls. See ST. PETERSBURG.—ACADÉMIE IMPÉRIALE DES SCIENCES. Mémoires, &c. Sér. VII, tom. X, no. 6. 4^o. 1866.

Voronin (M. S.) *Exobasidium Vaccinii*. pp. 20 : 3 pls. 8^o. Freiburg, 1867.

Voronin (M. S.) Ueber die Sclerotienkrankheit der Vaccinien-Beeren. Entwicklungsgeschichte der diese Krankheit verursachenden Sclerotinien. pp. 49 : 10 pls. (col.) See ST. PETERSBURG.—ACADÉMIE IMPÉRIALE DES SCIENCES. Mémoires, &c. Sér. VII, tom. XXXVI, no. 6. 4^o. 1888.

Voronin (M. S.) Die Sclerotienkrankheit der gemeinen Traubenkirsche und der Eberesche. (*Sclerotinia Padi* und *S. Aucupariae*.) pp. 27 : 5 pls. (col.) See ST. PETERSBURG.—ACADÉMIE IMPÉRIALE DES SCIENCES. Mémoires, &c. Sér. VIII, tom. II, no. 1. 4^o. 1895.

Voronin (M. S.) Ueber *Sclerotinia cinerea* und *Sclerotinia fructigena*. pp. 38 : 6 pls. (col.) See ST. PETERSBURG.—ACADÉMIE IMPÉRIALE DES SCIENCES. Mémoires, &c. Sér. VIII, tom. X, no. 5. 4^o. 1900.

Voronin (M. S.) Beitrag zur Kenntniss der Monoblepharideen. pp. 24 : 3 pls. (col.) See ST. PETERSBURG.—ACADÉMIE IMPÉRIALE DES SCIENCES. Mémoires, &c. Sér. VIII, tom. XVI, no. 4. 4^o. 1904.

Voronin (M. S.) & Bary (H. A. DE) Beiträge zur Morphologie und Physiologie der Pilz. Reihe I-v. See BARY (H. A. DE) & VORONIN (M. S.) 4^o. 1864-82.

Voronin (M. S.) & Famintzuin (A. S.) Ueber zwei neue Formen von Schleimpilzen: *Cerarium hydroides*, Alb. et Schw., und *Cerarium poroides*, Alb. et Schw. pp. 16: 3 pl. See ST. PETERSBURG.—ACADÉMIE IMPÉRIALE DES SCIENCES. Mémoires, &c. Sér. VII, tom. XX, no. 3. 4^o. 1873.

Voronin (M. S.) & Rostafinski (J. T.) Ueber *Botrydium granulatum*. See ROSTAFINSKI (J. T.) & VORONIN (M. S.) 4^o. 1877.

VORST (ADOLPH) See VORSTIUS.

VORSTIUS (ADOLPHUS) [1597-1663] Catalogus Plantarum Horti Academici Lugduno-Batavi, quibus is instructus erat anno 1633. . . . Accessit Index Plantarum indigenarum, quæ propè Lugdunum in Batavis nascuntur. See SPIGELIUS (A.) A. Spigelii . . . Isagoges in Rein Herbarium, libri duo, &c. 8^o. 1633.

VORSTIUS (ÆLIUS EVERARDUS) [1565-1624] E. Vorstii . . . Oratio funebris in obitum C. Clusii Atribatis, &c. See LÉCLUSE (C. DE). C. Clusii . . . Curæ posteriores, &c. 4^o. 1611.

VOS (ANDRÉ DE) Flore complète de la Belgique. Espèces indigènes et Plantes cultivées sans abri. pp. xxiv, 739. 8^o. Mons, 1885.

VOS (GERARDUS DE) G. de Vos . . . Commentatio in quæstionem . . . propositam: quæritur, ad incrustationes indigenæ sint chemice, an vero alius originis? &c. pp. 12. See LEYDEN.—RIJKS UNIVERSITEIT. Annales, &c. 1822-3. 4^o. 1824.

Vos (G. DE) G. von Vos . . . Responsio ad quæstionem . . . "Entozoa, quæ . . . in Humanis corporibus hactenus, in Belgio fuerunt reperta, enumerentur et ad genera et species . . . referantur, etc." pp. 68. See UTRECHT.—RIJKS UNIVERSITEIT. Annales, &c. 1822-3. 8^o. 1824.

VOSGES, Department of the. [Maps.] Carte Géologique des Vosges, par H. Hogard . . . échelle 1 : 120,000 [i.e. 1 in. = 2 m. about]. 4 sh. col. Mulhouse, 1845.

Vosges, Department of the. [Maps.] Carte Géologique du département des Vosges par E. de Billy. Echelle 1 : 80,000 [i.e. 1 in. = 1½ m. about]. 4 sh., & 2 of sections, col. [Paris.] 1848.

VOSMAER (ARNOUT) [1720-1799] Poissons, Écrevisses et Crabes . . . que l'on trouve autour des îles Moluques, et sur les côtes des Terres Australes . . . [Second edition] augmenté d'une préface par . . . A. Vosmaer. 2 Toin. [in 1] illust. See RENARD (L.) fol. 1754.

Vosmaer (A.) Natuurkundige beschryving eener uimuntende verzameling van zeldsaame Gedierten, bestaende in Oost- en Westindische viervoetige Dieren, Vogelen en Slangen, weleer levend voorhanden geweest zynde, buiten den Haag, op het kleine Loo van Z. D. H. den Prins van Oranje-Nassau, &c. 4^o. Amsterdam, (1766-) 1804.

Under this collective title are brought together 33 separate papers, each with its distinctive title-page. In this copy they have been arranged chronologically instead of in the systematic order of the index. The half-title, a coloured lithographed design, reads: "Regnum Animale per A. Vosmaer." The first 26 pls., i.e. those issued before 1780, are without legends.

1. Beschryving van een . . . soort van Africaansch Breedsnuitg Varken, of Bosch-Zwyn, &c. pp. 16: 1 pl. col. 1766.
2. Beschryving van een . . . soort van Africaansch Basterd-Morneldier, &c. pp. 8: 1 pl. col. 1767.

[Vosmaer (A.) Natuurkundige beschryving eener uimuntende verzameling van zeldsaame Gedierten, &c. (contd.)]

3. Beschryving van een . . . soort van Oostindischen . . . vliegende Eekhoorn, &c. pp. 18: 1 pl. col. 1767.
4. Beschryving van . . . het Guineesche Juffer-Bokje. pp. 8: 1 pl. 1766.
5. Beschryving van een . . . Surinaamsche Ratselslang, &c. pp. 22: 1 pl. col. 1768.
6. Beschryving van den Amerikaanschen Trompetter, &c. pp. 8: 1 pl. col. 1768.
7. Beschryving van een . . . Amerikaanschen langstaartigen Ya-Vogel, &c. pp. 9: 1 pl. col. 1768.
8. Beschryving van een . . . Amerikaanschen Ya-Vogeltje, hebbende byna geen staart, &c. pp. 6: 1 pl. 1768.
9. Beschryving van twee . . . Oost-Indische Ys-Vogeltjes, &c. pp. 7: 1 pl. col. 1768.
10. Beschryving van een . . . Amerikaansche langstaartige Aapsoort . . . genaamd . . . Bosch-Duivel, of Slinger-Aap, &c. pp. 12: 1 pl. col. 1768.
11. Beschryving van eenen . . . Amerikaanschen Lyster, Quereiva genaamd, in Brasil vallende, &c. pp. 7: 1 pl. col. 1769.
12. Beschryving van den Amerikaanschen Rots-Haan, &c. pp. 7: 1 pl. col. 1769.
13. Beschryving van een . . . Oost-Indische Papegaay-soort, de groote Purper-Roode Loeri genaamd, in Ceylon vallende, &c. pp. 10: 1 pl. col. 1769.
14. Beschryving van eenen Afrikaanschen . . . Roof-Vogel, de Sagittarius genaamd, &c. pp. 8: 1 pl. col. 1769.
15. Beschryving van een tot nu toe onbekende vyfvingerige Lilaard-soort, in Bengalen vallende, &c. pp. 30: 1 pl. col. 1770.
16. Beschryving van een . . . Amerikaansche . . . Slinger-Aapsoort genaamd de Fluijer, &c. pp. 6: 1 pl. col. 1770.
17. Beschryving van een . . . Afrikaansche . . . Kat-soort, genaamd de Bizaam-Kat, &c. pp. 6: 1 pl. col. 1771.
18. Beschryving van een . . . soort van Amerikaansche . . . Wezel, Potto genaamd, &c. pp. 6: 1 pl. col. 1771.
19. Beschryving van den Amerikaanschen . . . Stier, genaamd Bison, &c. pp. 10: 1 pl. col. 1772.
20. Beschryving van den Oostindischen . . . Ichnemon, &c. pp. 10: 1 pl. col. 1772.
21. Beschryving van eenen . . . Oostindischen . . . Bosch-Hond, &c. pp. 6: 1 pl. col. 1773.
22. Beschryving van een . . . Oostindische . . . Bosch-Kat, &c. pp. 6: 1 pl. col. 1773.
23. Beschryving van twee . . . Platsstaart Slangen, &c. pp. 8: 1 pl. col. 1774.
24. Beschryving van de . . . Langstaartige, ruw-geschubde Slang-Hagedis . . . geyk mede, van de . . . Worm-Hagedis, &c. pp. 8: 1 pl. col. 1774.
25. Beschryving van de . . . Aap-soort, genaamd Orang-Outang, &c. pp. 23: 2 pls. col. 1778.
26. Beschryving van de . . . Harte-Bokken, genaamt Coudou, &c. pp. 15: 1 pl. col. 1778.
27. Beschryving van het . . . Eland . . . genaamt Canna. pp. 12: 1 pl. col. 1778.
28. Beschryving van een Boschbuffel . . . genaamt Gnou. pp. 14: 1 pl. 1784.
29. Beschryving eener . . . Harteboek . . . onder de benaaming van Fronbok, pp. 14: 1 pl. col. 1784.
30. Beschryving van het . . . Giraffe, &c. (Waarneemingen over het geraante van de Camelopodialis, &c. [By P. Camper, 1786.]) pp. 44: 2 pls. col. 1787.
31. Beschryving van een . . . Africaansch Diertje . . . genaamd de Groenglanzige Mol, &c. pp. 12: 1 pl. col. 1787.
32. Beschryving van een . . . Ceiloonse Kameelduif, &c. pp. 12: 1 pl. col. 1804.
33. Beschryving van eenen . . . Africaanschen . . . naaktbalsigen Nimmerzat of Wulp . . . genoemd Bosch-Kalkoen, &c. pp. 8: 1 pl. col. 1804.

Vosmaer (A.) Description d'un recueil exquis d'Animaux rares, consistant en Quadrupèdes, Oiseaux et Serpents, des Indes orientales, et occidentales, &c. 4^o. Amsterdam, (1767-) 1804 (-05).

French edition of the preceding, with the same coloured half-title. The separate papers are arranged as shown in the Contents, i.e. chronologically under the three divisions Mammals, Birds, and Reptiles. No. 15-20 are marked as "traduit par Mr. Renfer."

1. Description d'une . . . espèce de Porc à Large Groin ou Sanglier d'Afrique, &c. pp. 15: 1 pl. col. 1767.
2. Description d'une . . . espèce de Petit Bouc Damoiseau de Guinée, &c. pp. 8: 1 pl. col. 1767.
3. Description d'une . . . espèce de Marmote-Bâtarde d'Afrique, &c. pp. 8: 1 pl. col. 1767.
4. Description d'une espèce . . . de grand Écureuil volant à longue queue des Indes orientales, &c. pp. 11: 1 pl. col. 1767.
5. Description d'une espèce . . . de Singe d'Amérique à longue queue, nommé Quatto . . . et, par les Hollandois, Bosch-Duivel . . . ou Slinger-Aap, &c. pp. 12: 1 pl. col. 1768.
6. Description d'une espèce de Paresseux Pentadactyle . . . qui se trouve au Bengale, &c. pp. 19: 1 pl. col. 1770.
7. Description d'une espèce . . . de Singe Voltigeur Américain . . . nommé le Siffleur, &c. pp. 6: 1 pl. col. 1770.
8. Description d'une espèce . . . de Chat Africain . . . nommé Chat-Bizam, &c. pp. 6: 1 pl. col. 1771.
9. Description d'une . . . Balette Américaine . . . nommée Potto, &c. pp. 6: 1 pl. col. 1771.
10. Description du Bœuf Bossu d'Amérique nommé Bison, &c. pp. 10: 1 pl. col. 1772.
11. Description de l'Ichneumon Indien, &c. pp. 10: 1 pl. col. 1772.

[**Vosmaer** (A.) Description d'un recueil exquis d'Animaux rares, &c. (contd.)]

12. Description d'un Chien Sauvage Indien . . . trouvé dans l'Isle de Ceylan, &c. pp. 6: 1 pl. col. 1773.
13. Description d'un Chat Sauvage Indien . . . trouvé au Japon, &c. pp. 6: 1 pl. col. 1773.
14. Description de l'espèce de singe . . . nommé Orang-Outang de l'Isle de Bornéo. pp. 23: 2 pls. col. 1778.
15. Description d'un animal . . . qui porte le nom de Coudon, &c. pp. 14: 1 pl. col. 1783.
17. Description . . . d'Élan, &c. pp. 12: 1 pl. col. 1783.
18. Description d'un . . . quadrupède . . . appelé Gnon chez les Hottentots, &c. pp. 13: 1 pl. col. 1784.
19. Description d'une . . . Gazelle, connue . . . sous le nom de Pronk-Bok, &c. pp. 14: 1 pl. col. 1784.
20. Description d'un animal . . . auquel j'ai donné le nom . . . de Taupe Verdâtre Luisante, &c. pp. 11: 1 pl. col. 1787.
21. Description du . . . Chamois-Léopard (Cameleopardalis), &c. (Remarques sur le squelette de la Giraffe, &c. [By F. Camper.]) pp. 46: 2 pls. col. 1787.
1. Description du Trompette Américain, oiseau . . . de Surinam, &c. pp. 8: 1 pl. col. 1768.
2. Description d'un Alcyon d'Amérique, à longue queue, &c. pp. 9: 1 pl. col. 1768.
3. Description d'un petit Alcyon d'Amérique, &c. pp. 6: 1 pl. col. 1768.
4. Description de deux petits Alcyons des Indes orientales, &c. pp. 7: 1 pl. 1768.
5. Description d'une . . . Grive d'Amérique, nommée Quereiva, &c. pp. 5: 1 pl. col. 1769.
6. Description du Coq-des-Roches Américain, &c. pp. 7: 1 pl. col. 1769.
7. Description d'une . . . espèce de Perroquet des Indes nommé le Grand Lory Rouge-Pourpre, &c. pp. 10: 1 pl. col. 1769.
8. Description d'un Oiseau de Proie, nommé le Sagittaire, &c. pp. 8: 1 pl. col. 1769.
9. Description d'une espèce . . . de Pigeon nommée Pigeon Canelle de Ceylan, &c. pp. 12: 1 pl. col. 1805.
10. Histoire naturelle du Couli Africain, &c. pp. 8: 1 pl. col. 1805.
1. Description d'un Serpent à Sonnette de l'Amérique, &c. pp. 20: 1 pl. col. 1767.
2. Description d'un . . . Lézard-Serpent . . . et d'un . . . Lézard-Ver, Africain, &c. pp. 8: 1 pl. col. 1774.
3. Description de deux . . . Serpens à queue aplatie, &c. pp. 8: 1 pl. col. 1774.

— [Another copy.]

Wanting the collective title, préavis, and the last four papers published. The plates are uncoloured.

— [Another copy.]

This differs from the preceding in that the plates, which are coloured and in some cases have been retouched, with only four exceptions bear legends in Dutch.

VOSMAER (GUALTHERUS CAROL JACOB) Aanteekeningen over *Leucanota aspera*, H. Bijdrage tot de kennis der Kalksponzen. Academisch proefschrift, &c. pp. 96: 2 pls. col. 8°. Leiden, 1880.

Vosmaer (G. C. J.) Report on the Sponges dredged up in the Arctic Sea by the "Willem Barents" in . . . 1878-79. See NIEDERLAENDISCHES ARCHIV FUER ZOOLOGIE. Supplement Band I. 8°. 1882.

Vosmaer (G. C. J.) Spongiën (Porifera). See BRONN (H. G.) Die Klassen und Ordnungen des Thier-Reichs, &c. Bd. II. [abth. I.] 8°. (1882-) 1887.

Vosmaer (G. C. J.) The Sponges of the "Willem Barents" Expedition 1880-81. pp. 47: 5 pls. (col.), text illust. See AMSTERDAM. — KONINKLIJK ZOOLOGISCH GENOOTSCHAP "NATURA ARTIS MAGISTRA." Bijdragen tot de Dierkunde. Afl. 12. 4°. 1885.

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Tom. III-VI have secondary titles as under:—

- Tom. III. Synopsis Solanacearum, Scrophularinarum, Orobanchacearum et Labiatarum in botanico ordine scriptis ad hunc diem edita descripturum. 1844-45.
- " IV. Synopsis Verbenacearum, Myoporinearum, Selaginacearum, Stilbacearum, Globulariacearum et Plantaginearum omnium ad Annum 1844 cognitarum . . . Additus est Index, &c. 1844-48.
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| 1. Notes on the Coleopterous genus of Insects, <i>Rhynchites</i> of Herbst. | } Ann. Mag. Nat. Hist.
Ser. I, vol. xiii, 1844.
pp. 81–89. |
| 2. Notes on British species of the genus <i>Bruchus</i> , with descriptions of two species not hitherto recorded as indigenous. | |
| 3. Notes on the synonymy of the genus <i>Apion</i> , with descriptions of new species, &c. | } Ser. I, vol. xiii, 1844.
pp. 206–212. |
| 4. Notes . . . on the genera of Insect <i>Oxytoma</i> and <i>Magdalis</i> . | |
| 5. Notes . . . on the genera of Insects <i>Phyllobius</i> , <i>Polydrosus</i> , and <i>Metallica</i> . | } Ser. I, vol. xvi, 1845.
pp. 221–227. |
| 6. Notes on the genus of Insects <i>Sitona</i> , with descriptions of two new species. | |
| 7. Notes . . . on the genera of Insects <i>Cneo-rhinus</i> and <i>Strophosomus</i> , with descriptions of two new species. | } Ser. I, vol. xvii, 1846.
pp. 444–457; vol. xv, 1845, pp. 331–342 & 392–401. |
| 8. Notes on the genus of Insects <i>Trachyphtus</i> , with descriptions of new species. | |
| 9. Notes on the genus of Insects <i>Omisia</i> , with descriptions of new species. | } Ser. I, vol. xix, 1847.
pp. 217–223. |
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| 11. Notes . . . on the genera of Insects <i>Pisaoidea</i> , <i>Hypera</i> , &c.; with descriptions of several new species. | Ann. Mag. Nat. Hist. Ser. II, vol. I, 1843. pp. 298-303. |
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| 13. Notes . . . on the genera of Insects <i>Evirhinus</i> , <i>Notaris</i> , and <i>Proctus</i> ; with descriptions of two new species. | Ser. II, vol. II, 1843. pp. 166-169. |
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| 15. Descriptions of two new British genera of Insects, and of two new species belonging to the family Curculionidae. | Ser. II, vol. IX, 1852. pp. 204-206. |

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There are no pages numbered 441 & 442.

Two of the plates are on the respective sub-titlpages to the two portions of the book:—"Natural History" and "Antiquities."

For lists of the very numerous subsequent editions of this work, see "Bibliography" by C. D. SHERBORN in R. B. Sharpe's edition, 1900, Vol. II, and article on "G. White of Selborne" by W. H. MULLENS (*Occasional Publications*, Hastings and St. Leonards Natural History Society, No. 2), 1907.

In these editions the "Naturalist's Calendar," &c., is usually included; whilst the portion relating to the "Antiquities of Selborne" is frequently omitted. The first of these editions is entitled:—"The Works in Natural History of . . . G. White . . . to which are added, a Calendar and Observations, by W. Markwick," 2 Vol. 8°. 1802. The advertisement by the Editor is signed J. W., i.e. John White, the author's nephew.

A new edition in which the title is changed to:—"The Natural History of Selborne," &c., appeared in 1813, 2 Vol. 8°, and again in 1822.

— [Another edition.] The Natural History and Antiquities of Selborne . . . to which are added the Naturalist's Calendar [with the comparative calendar by W. Markwick (afterwards Eversfield)]; Observations on various parts of Nature (from Mr. White's MSS., with remarks by Mr. Markwick.—Observations on some passages in Mr. White's Natural History of Selborne [signed J. M., i.e. J. Mitford]); and Poems . . . A new edition [with a short biographical notice of the author, and an advertisement, by J. W., i.e. his nephew, John White], &c. pp. x, 587 [1]: 12 pls. (col.). 4°. London, 1813.

This is sometimes known as "Mitford's edition."

Page 527 is misprinted 257, and p. 584 as 854.

Of the 12 plates, two are on the title-pages to the two parts, and one is a tailpiece on p. ix.

— [Another edition.] The Natural History of Selborne . . . A new edition, &c. 2 Vol. *illustr.* 8°. London, 1825.

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— [Another edition.] The Natural History of Selborne . . . With additions by Sir W. Jardine . . . A new edition. pp. xv, 343: *engr. title*. 8°. Edinburgh, 1829.
Constable's Miscellany. Vol. XLV.
The Calendar, &c., are omitted from this edition.

— [Another edition.] The Natural History of Selborne; Observations on various parts of Nature; and the Naturalist's Calendar . . . With Notes by Capt. T. Brown. pp. xii, 356: 8 pls., *text illustr.* 8°. Edinburgh, &c., 1833.

British Library. Vol. i.

— [Another edition.] The Natural History of Selborne . . . Arranged for young persons [by G. Agar-Ellis, Lady Dover, for her son Henry, afterwards 4th Viscount Clifden]. pp. x, 316: *text illustr.* 8°. London, 1833.

— — [Another edition.] pp. viii, 338: 1 pl., 1 map, *text illustr.* 8°. London [1860].

In this edition the name of the editor is given, but the son's title is incorrectly printed as "Clifden."

— [Another edition.] The Natural History of Selborne, with its Antiquities; Naturalist's Calendar, &c. . . A new edition, with notes by E. Blyth. pp. xiv, 418: 1 map, *text illustr.* 8°. London, 1836.

— [Another edition.] The Natural History and Antiquities of Selborne . . . With the Naturalist's Calendar . . . A new edition; with Notes by E. T. Bennett . . . and others. pp. xxiii [2], 640: *text illustr.* 8°. London (1837).

[**White** (GILBERT) The Natural History and Antiquities of Selborne, &c. (contd.)]

— [Another edition.] The Natural History and Antiquities of Selborne . . . The standard edition by E. T. Bennett . . . revised with additional notes, by J. E. Harting . . . Second edition, &c. pp. xxvii, 532: *text illustr.* 8°. London, 1876.

The first edition of Harting's revision appeared in 1875.

— [Another edition.] The Natural History of Selborne; with Observations . . . and the Naturalist's Calendar . . . With additions and supplementary notes by Sir W. Jardine . . . Edited, with . . . a biographical sketch of the author . . . by E. Jesse. pp. xxiv, 416: 41 pls. 8°. London, 1851.

Bohn's Illustrated Library. No. 12.

— [Another edition.] Natural History and Antiquities of Selborne . . . With Notes by F. Buckland. A chapter on Antiquities, by Lord Selborne, and new letters, &c. pp. xxx [2], 591: 10 pls. (1 col.), 1 map col., *text illustr.* 8°. London, 1875.

— [Another edition.] The Natural History and Antiquities of Selborne . . . Edited [with notes] by T. Bell. 2 Vol. *illustr.* 8°. London, 1877.

— [Another edition.] The Natural History & Antiquities of Selborne & a Garden Kalender . . . Edited by R. Bowdler Sharpe . . . with an Introduction to the Garden Kalender by . . . S. R. Hole, Dean of Rochester, &c. 2 Vol. *illustr.* 8°. London, 1900.

Vol. II contains a "Bibliography" by C. D. Sherborn.

White (GILBERT) A Naturalist's Calendar, with observations in various branches of Natural History; extracted from the papers of . . . G. White, &c. [Edited with a preface by J. Aikin]. pp. 170 [5]: 1 pl. col. 8°. London, 1795.

Subsequent editions appeared with those of "The Natural History and Antiquities of Selborne" [q.v.].

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Forming No. 2 of the "Occasional Publications" issued by the Hastings and St. Leonards Natural History Society.

White (GILBERT) A Nature Calendar . . . Edited with an Introduction by W. M. Webb. pp. xii, 62, xiii–xx. 4°. London, 1911.

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WHITEHEAD (JOHN) [1860-1899] Exploration of Mount Kina Balu, North Borneo. (Appendix.) pp. x, [ii.] 317: 32 pls. (col.), text illust. 4°. London, 1893.

The appendix contains:—

1. The Mammals. By O. Thomas.
[Reprinted from the "Proc. Zool. Soc. London," 1889.]
2. On the Birds of North Borneo, by R. B. Sharpe and J. Whitehead.
[Reprinted from the "Ibis," 1889, and other sources, with additional matter.]
3. On the Birds of Palawan.
[Reprint of a paper by R. B. Sharpe in the "Ibis," 1888, with addenda by J. Whitehead.]
4. Notes on a collection of Birds from Eastern Java. By J. Whitehead.
5. Recherches sur la Faune Herpétologique des îles de Bornéo et de Palawan. Par F. Mocquard.
[Reprinted from the "Nouv. Arch. Mus. Hist. Nat. Paris," Sér. III, tom. II, 1890.]
6. Sur une collection de Reptiles et de Batraciens des îles Bornéo et de Palawan. Par F. Mocquard.
[Reprinted from the "Comptes Rend. Congr. Internat. Zool." 1889.]
7. Sur les Poissons des eaux douces de Bornéo. Par L. Vaillant.
[Reprinted from the "Comptes Rend. Congr. Internat. Zool." 1889.]
8. Descriptions of some new species of Land-shells from Borneo. By E. A. Smith.
[Reprinted from the "Ann. & Mag. Nat. Hist.," Ser. V, vol. xx, 1887.]
9. [Description of *Helicarion* (?) *Whiteheadi*, n.sp., by H. H. Godwin-Austen.
Reprinted from the "Proc. Zool. Soc. London," 1891.]

[Whitehead (J.) Exploration of Mount Kina Balu, &c. (contd.)]

[Appendix (contd.)]

1. List of the Land Mollusca collected . . . in Palawan, &c. By H. H. Godwin-Austen.
[Reprinted in part from the "Ann. & Mag. Nat. Hist.," Ser. VI, vol. XII, 1893.]
2. List of Freshwater and Brackish-water Shells collected . . . in Palawan, &c. By H. H. Godwin-Austen.
[Reprinted in part from the "Ann. & Mag. Nat. Hist.," Ser. VI, vol. XII, 1893.]
3. On new genera and species of Coleopterous Insects. By H. W. Bates.
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4. Descriptions of Coleoptera, &c. By H. S. Gorbham.
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5. Descriptions of 16 new Butterflies. By H. Grose-Smith.
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6. Descriptions of new species of Rhynchota. By W. L. Distant.
[Reprinted from the "Ann. & Mag. Nat. Hist.," Ser. VI, vol. III, 1889.]

Whitehead (J.) & Sharpe (R. B.) On the Birds of North Borneo.—On the Birds of Palawan. See WHITEHEAD (J.) Exploration of Mount Kina Balu, North Borneo. Appendix 2 & 3. 4°. 1893.

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Cicindelidae, von W. Horn.
Dytiscidae, Gyrinidae et Hydrophilidae, par M. Régimbart.
Passalini, von R. Zang.
Lucanidae et Scarabaeidae p.p., by G. J. Arrow.
Cetonini et Coprini, von H. von Schönfeldt.
Elateridae, par E. Plentaux.
Bostrychidae, par P. Lesne.
Brenthidae, von F. von Schönfeldt.
Cassididae, von F. Spaeth.
Languriidae, Endomychidae, von S. Schenckling.
Hymenoptera i (All families, except Apidae and Formicidae), by P. Cameron.
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Chrysomelidae }
Anthribidae, by K. Jordan.
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Mammals, by F. A. Jentink.

„ Livr. 3. Reptilien, von N. de Rooy.
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„ Livr. 5. Gordiens, par L. Camerano.
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vi. Géologie.

„ Livr. 1. Unteres Callovien und Coronatensichten zwischen
(1913) MacCluer-Golf und Geelvink-Bai, von G. Böhm.
„ Livr. 2. Foraminiferen-führende Gesteine von Nieder-
(1914) ländisch Neu-Guinea, von L. Rutten.

vii. Ethnographie. Livr. 1—>

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viii. Botanique. Livr. 1—>

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[The following Botanists have contributed to this volume:—
O. Beccari, C. Bernard, W. Burck, C. de Candolle, H. Christ,
L. Diels, A. Engler, E. Gilg, H. Hallier, H. Harms, W. P.
Hiern, S. H. Koorders, H. Krause, C. Lauterbach, T. Loesener,
J. M. Macfarlane, J. Perkins, A. Pulle, L. Radlkofe,
E. Rosenstock, O. von Seemen, J. J. Smith, J. V. Suringar,
T. Valeton & F. A. F. C. Went.]

ix. Zoologie.

„ Livr. 1. Mammals, by F. A. Jentink.
(1909) Dermatoptera, by M. Burr.
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„ Livr. 3. Formicidae, par C. Emery.
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Rhynchota i. Mononychidae, Naucoridae, Nepidae,
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Lamellicornes coprophages, par J. J. E. Gillet.
Lampyridae, par E. Olivier.
Chrysomeliden and Coccinelliden, von J. Weise.
Cassididae [ii.], von F. Späth.
Amphibien, von P. N. van Kampen.
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Issued in fifteen parts, each having six plates with the accompanying descriptive text.

The dates of publication of these parts were:—Hft. 1, 1822; hft. 2-4, 1823; hft. 5-8, 1824; hft. 9, 1825; hft. 10 & 11, 1827; hft. 12, 1828; hft. 13, 1829; hft. 14, 1830; hft. 15, 1831. (Cf. "Isis," Bd. xi, col. 1886; XIII, col. 724, 1259; XIV, col. 110, 446, 585, 987, 1103; XVII, col. 922; XXI, col. 86, 854; XXII, col. 74, 580; XXIV, col. 629; &c. for contents of each.)

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The Anhang to Bd. I contains:—

Catalogus plantarum in Monte Pokono (North-Hampt. Pennsylvaniae) observatarum a L. D. Schweinitz.

Herrn Prof. Göppert . . . über die . . . fossilen Pflanzen-Abdrücke von Mauch-Chunk.

Verzeichniss der in den Wintermonaten am Wabash vorkommenden Vögel.

In three cases the plates are in duplicate, plain and coloured.

The work appears to have been issued in twenty parts, of which hft. 1-6 (= Vol. I, pp. 1-392) appeared in 1838, and the remainder of Vol. I in 1839; hft. 15-17 (= Vol. II, pp. 169-504) appeared in 1840, and the work was completed in 1841. (*Cf.* "Isis," Bd. xxxi, col. 794; xxxii, col. 405; xxxiii, col. 334; xxxiv, col. 946; and xxxvii, col. 297.)

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" Tabanidæ. By J. S. Hine.

" Empididæ. By A. L. Melander.

" Dolichopodidæ. By J. M. Aldrich.

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Family Phoridae. By C. T. Brues.

Table of Genera [of the Ortalididæ]. By W. A. Snow; revised.

Snow also assisted in the preparation of the Ortalidæ of the second edition.

Table of Genera [of the Anthomyidæ]. Revised by C. F. Adams.

Table of Genera [of the Dexiidæ]. By C. F. Adams.

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Appendix B. Microscopic examination of Rocks from Ashland county, Wisconsin. By A. A. Julien.
" 4. The Huronian series west of Penokee Gap. By C. E. Wright.
" 5. Geology of the western Lake Superior district. By E. T. Sweet.
" 6. The Geology of the Upper St. Croix district, based on the notes of M. Strong. Edited by T. C. Chamberlin.
" 7. The Geology of the Menominee Iron region, Oconto county, Wisconsin. By T. B. Brooks.
Chapter V. Microscopical observations of the Iron-bearing (Huronian) Rocks from the region south of Lake Superior. By A. Wichmann.
Appendix A. Letters and notes of T. S. Hunt on the Iron-bearing and associated Rocks of the Marquette region, &c.
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" 3. Paleontology. By R. P. Whitfield.
" 4. The Ore deposits of southwestern Wisconsin. By T. C. Chamberlin.
" 5. The Quartzites of Barron and Chippewa counties. Compiled from the notes of Messrs. Strong, Sweet, Brotherton and Chamberlin.
" 6. Geology of the Upper Flambeau valley. By F. H. King. (Appendix.—Microscopic examination of a suite of specimens. By R. D. Irving.)
" 7. Crystalline rocks from the Wisconsin valley. By R. D. Irving and C. R. Van Hise.
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[1857 Founded as *Naturhistorischer Verein von Wisconsin*.

1879 *Natural History Society of Wisconsin*, or alternatively on publications *Wisconsin Natural History Society*.

1899 The *Milwaukee Natural Science Association* was incorporated with it.

1902 *Wisconsin Natural History Society*.]

Bericht, &c. 1871, 1873 & 1874.

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1 pl., 1 map, text *illustr.* 4°. London, 1863 [i.e. 1862].

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ii. The Flowering Plants.

iii. List of the Birds.

iv. The Lepidoptera. By Mr. Baker. Revised by F. Bond.

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A List of the Hymenoptera Aculeata collected in the neighbourhood of Wotton-under-Edge. . . . By V. R. Perkins.

Macro-Lepidoptera. Pt. II. Heterocera. (Introduction by C. J. Watkins.)

The Habitats of some of the Ferns of Gloucestershire. By W. F. White.

Notes on some Gloucestershire aquatic Plants. By S. J. Coley.

The Edible Fungi of Stonehouse. By Prof. [J.] Buckman.

Notes on some Mosses of the Stroud district. By G. Holmes.

The Mosses of the lower part of the Wye Valley, in West Gloucestershire. By W. A. Shoolbred.

The Hepaticæ of Gloucestershire. By H. P. Reader.

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This edition differs from the preceding solely in having a new title-page and preface (pp. i-xxxii).

It was issued in two parts, of which the second contained the title and preface (pp. xxxii), the text from p. 65, and the last 26 plates. Four pages of preliminary matter, subsequently cancelled, that appeared with the first part, have been retained in one copy of the work in the Zoological Department.

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In an autograph note in his own copy Dr. J. E. Gray states:—"The names in the List taken from the British Museum were the names of my MSS. except where they [are] those used by Lamarck. The Catalogue of Lamarck species (and the reference to the figures) was furnished by myself, as well as the references of the new species to the Lamarckian genera, but I did not see the name there was given to these as several of them were altered by Mr. Wood."

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1877 Yorkshire Geological and Polytechnic Society.
1906 Yorkshire Geological Society.]
(Reports of the) Proceedings, &c. Vol. I→ 1839→ 8°. Leeds (& Halifax), 1849→
Wanting Vol. v, pt. 1. Vol. III is imperfect.
Vol. VI→ are styled "New Series," and the sub-title reads:—"Papers . . . and Minutes of the Proceedings," &c.
Vol. x contains:—"History of the . . . Society, 1837-87. With biographical notices of some of its members. By J. W. Davis."
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[1801 Founded as *West Riding Consolidated Naturalists' Society*.
1876 *Yorkshire Naturalists' Union*]

The Naturalist. Journal of the . . . Society (—Union), &c. See NATURALIST. The Naturalist, &c. Vol. 1→
8°. 1864→

Yorkshire Naturalists' Union.

The Transactions, &c. Pt. 1→

8°. *Leeds & London*, 1878→

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BEECHER (C. E.) Trilobita.	LUCAS (F. A.) Aves.
BAUR (G. H. C. L.) Chelonia.	OSBORN (H. F.) Reptilia.
CASE (E. C.) Amphibia.	PILSBRY (H. A.) Gastropoda.
CLARKE (J. M.) Eucrústacea	SCHUCHERT (C.) Brachiopoda.
(parts), Acérata (parts).	SCUDDER (S. H.) Insecta.
DALL (W. H.) Pelecypoda.	SLADEN (W. P.) Asterozoa, Echinozoa.
HATCHER (J. B.) Reptilia.	ULRICH (E. O.) Bryozoa, Ostracoda.
HAY (O. P.) "	WACHSMUTH (C.) Crinoidea, Blastoides.
HINDE (G. J.) Vermes.	WILLISTON (S. W.) Reptilia.
HYATT (A.) Cephalopoda.	WOODWARD (A. S.) Pisces.
KINGSLEY (J. S.) Eucrústacea	
(parts), Acérata (parts).	

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Vol. I.
BASSLER (R. S.) Bryozoa, Branchiopoda, Ostracoda, Gastropoda (parts).
CALMAN (W. T.) Cirripedia, Malacostraca.
CLARK (A. H.) Post-Paleozoic Crinoidea.
CLARK (H. L.) Asteroidea, Holothuroidea.
CLARKE (J. M.) Phyllocarida & Arachnida (Merostomata).
CUSHMAN (J. A.) Foraminifera.
DALL (W. H.) Pelecypoda, Gastropoda (parts).
HANDLIRSCH (A.) Insecta (with minor emendations by COCKERELL (T. D. A.) & HOLLAND (W. J.)).
JACKSON (R. T.) Echinoidea.
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RAYMOND (P. E.) Trilobita.
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[1750 Founded by the *Naturforschende Gesellschaft*. It was taken over by the Government in 1834 and is now attached to the *Universität*. For publications referring to this Garden, See infra, under those two institutions.]

ZÜRICH.—*Eidgenössisches Polytechnikum.*

[Founded 1848.]

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ZÜRICH.—*Schweizerische Palaeontologische Gesellschaft.*

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